Equipment and Transducer Catalogue

Issue: 1.1
Effective Date: 1st August 2010

Sonatest Terms and Conditions

1. **GENERAL:** The acceptance of our quotation or of any goods supplied advice given or service rendered includes the acceptance of the following terms and conditions and no variation or addition to the same shall be binding upon us unless expressly agreed in writing by us. Your order shall be subject to our written acceptance.
2. **QUOTATION:** Unless previously withdrawn our quotation is open for acceptance in writing within the period stated or when no period is stated within thirty(30) days after its date. We reserve the right to correct any errors or omissions in our quotation.
3. **LIABILITY FOR DELAY:** Any times quoted for delivery are to date from our written acceptance of your order and on receipt of all necessary information and drawings to enable us to put the work in hand Where delivery is to take place by instalments each such instalment shall constitute a separate contract. We will use our best endeavours to complete delivery of the goods or service in the period stated but accept no liability in damages or otherwise for failure to do so from any cause whatsoever including but without the prejudice to the generality of the foregoing: world war, civil commotion, fire, flood, accident, shortage of materials, Act of Government or other authority or any cause or causes (whether similar or not) beyond our reasonable control.

In all cases of delay the time for delivery shall be extended by reasonable period having regard to the cause of delay.

4. **PAYMENT:** Payment shall be made during the period of manufacture and installation in accordance with the payment terms set out in the quotation and if not so stated, shall be net cash within 30 days of delivery. The payment shall be in pounds sterling unless otherwise agreed. In the event of any amount payable to us being overdue we may without prejudice to any other right, suspend delivery to you or terminate the contract and/or charge you simple interest on overdue amounts at the rate of 3% above the ruling Bank of England Minimum Lending Rate. No payment due to us shall in any circumstances be offset against any sum owing by us to you whether in respect of the present transaction or otherwise.
5. **INSPECTION AND TEST**: Our goods are fully inspected at our works and where practicable subjected to our standard tests before despatch. If tests are required to be witnessed by your representative notice of this requirement must be given at the time of placing the order and notice of readiness will then be given to you seven (7) days in advance of such tests being carried out. In the event of any delay on your part in attending such tests or in carrying out any inspection by you after seven (7) days notice of readiness the tests will proceed in your absence and shall be deemed to have been made in your presence and the inspection will be deemed to have been made by you. In any event you shall be required promptly after witnessing a test if such be the case or promptly receiving test results of witnessed or unwitnessed tests to notify us in writing of any claimed defects in the goods or of any respect in which it is claimed that the goods do not conform with the contract. Before you become entitled to reject any goods we are to be given reasonable time and opportunity to rectify them. You assume the responsibility that the goods stipulated by you are sufficient and suitable for your purpose save in so far as your stipulations are in accordance with our advice and that you have taken and will take all steps to ensure that the goods will be safe and without risk to health when properly used. Any additional certification demanded may incur extra cost for which a specific quotation will be issued.
6. **DELIVERY AND PACKING:** Prices quoted include insurance to your designated site in the U.K. and include packing suitable for road or air freight. Unless otherwise stated prices do not include where applicable any tax, licence fee, customs import or export duty or charge or the cost of special packing or freight charges.
7. **DAMAGE IN TRANSIT AND LOSS IN DELIVERY:** Claims for damage in transit or loss in delivery of the goods will only be considered if the carriers and ourselves receive written notification of such damage within seven (7) days of delivery or in the event of loss of goods in transit within twenty-one (21) days of consignment.
8. **PRICE:** Unless otherwise stated all quotations are firm and fixed.
9. **TRANSFER OF PROPERTY AND RISK:** The title and property in the goods shall pass when full payment has been received of all sums due to us whether in respect of the present transaction or not. The risk in the goods shall be deemed to have passed on delivery.
10. **WARRANTY/DEFECTS AFTER DELIVERY:** Immediately upon receipt of the goods the buyer is required to check the goods carefully and thoroughly In order to benefit from the guarantee, any defect in the product should be immediately reported in writing to Sonatest. We will make good by repair or by the supply of a replacement or by equivalent adjustment of the price at our sole option defects which under proper use appear in the goods within a period of twelve (12) calendar months alter the goods have been delivered and which arise solely from faulty design, material or workmanship. Provided always that the goods are carefully packed and promptly returned by you free to our works unless otherwise arranged. Said goods should be covered while in transit to us and must be accompanied by a written statement detailing the precise nature of the fault and the operating conditions under which the fault occurred. The repaired goods will be returned by us free of charge

In the terms of the X-Ray tubes and vacuum valves being replaced under the Terms of Warranty, a charge will be made based on the usage of the defective component. The usage factor shall be calculated by dividing by 52 the number of weeks elapsed since the date of delivery up to and including the last week commenced until the date of notification of the fault. The amount charged will be determined by multiplying the prevailing list price by the usage factor.

Save as in this clause hereinbefore expressed we shall not be under any liability in respect of defects in goods delivered or for any injury damage or loss resulting from such defects and our liability under this Clause shall be in lieu of any warranty or condition implied by law as to the quality or fitness for any particular purpose of such goods.

11. **DRAWINGS AND DESCRIPTIVE DOCUMENTS:** All software specifications drawings plan designs and technical documents and information supplied by us for your use or information shall remain at all times our exclusive property and must not be copied reproduced transmitted or communicated to a third party without our prior consent in writing
12. **FRUSTRATION**: If any contract or any part of it shall become impossible of performance or otherwise frustrated we shall be entitled to a fair and reasonable proportion of the price in respect of the work done up to the date thereof and for this purpose any moneys previously paid by you shall be retained as against the sum due to us under this provision any balance to be repaid to you or as the case may be any deficiency to be paid to us by you. We may dispose of the goods as we think fit due allowance being made to you for the net proceeds thereof.
13. **LEGAL INTERPRETATION:** Any contract will be deemed to be made in England and shall be governed and construed for all purposes and in all respects in accordance with English Law and only the Courts of England shall have jurisdiction.
14. **ON-SITE WORK:** Additional clauses in respect of work provided on site will be supplied on request.

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Pricing

This document contains no pricing information; an accompanying spreadsheet will be produced containing current Sonatest list pricing. This has been produced so that local distributors can easily use it as the basis for producing their own pricing in local currency, and incorporate relevant import costs and taxes.

Unless specifically stated otherwise, all price quotes supplied from Sonatest will be in UK pounds, and will be on an ex-works Milton Keynes basis, excluding all taxes, shipping costs, documentation charges etc.

Issue Notes

1.0 June 2010: This is the first public edition of this catalogue; as such it is inevitable that there will be errors and omission, as well as areas which are less clear than they should be. In particular we are currently in the process of launching the new veo phased array flaw detector. At the time of writing not all of the part numbers relating to this have been allocated. We encourage readers to use the feedback form at the end of this document to comment and report any issues
We expect that an updated version will be released later this year and probably at approximately 6-monthly intervals thereafter.

1.1 August 2010: Numerous amendments, additions and corrected typos, preamps removed from standard veo kits since performance acceptable without. PD series probes deleted. Preamplifiers and adapters added. Oil based couplant deleted.

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Ultrasonic Flaw Detectors

Sitescan, Masterscan, and Special Purpose Digital Flaw Detectors

Falcon series

General Specifications:

- Lithium-ion battery pack gives up to 16 hours
- Transducer Sockets BNC or LEMO (factory option)
- Environmental case sealed to IP67
- Size: 255 x 145 x 145mm (10.0 x 5.7 x 5.7 in)
- Weight: 2.5kg (5.5lbs) with Li-ion cells.
- USB socket on front, for connection to printers, keyboards and PCs
- Supports multiple languages; User-selectable between English, German, Spanish, French, Dutch (others available on request)

Standard kit Includes instrument, Li-ion battery & battery charger, fabric carry bag, calibration certificate, instruction manual

Available models:

- Sitescan 123W - limited function wide band DFD for basic weld inspection, as well as use in training schools etc.
- Sitescan 150S - wide-band only DFD, with DAC, AWS, DGS evaluation functions
- Sitescan 250S - general purpose DFD, with narrow band filters, TCG
- Masterscan 350M - high performance flaw detector
- Masterscan 380M - high performance DFD, with interface trigger and 450V pulser
- Railscan 125R - flaw detector for the rail industry
- Dryscan 410D - special purpose DFD, for inspection of composite materials
- Powerscan 450P - high power, lower frequency ultrasonic flaw detector

Order Codes

SS123SBWEU	123W Flaw Detector with BNC Connectors and European Plug
SS123SBWUK	123W Flaw Detector with BNC Connectors and UK Plug
SS123SBWUS	123W Flaw Detector with BNC Connectors and North American Plug
SS123SLWEU	123W Flaw Detector with LEMO Connectors and European Plug
SS123SLWUK	123W Flaw Detector with LEMO Connectors and UK Plug
SS123SLWUS	123W Flaw Detector with LEMO Connectors and North American Plug
SS150SBEU	150S Flaw Detector with BNC Connectors and European Plug
SS150SBUK	150S Flaw Detector with BNC Connectors and UK Plug
SS150SBUS	150S Flaw Detector with BNC Connectors and North American Plug
SS150SLEU	150S Flaw Detector with LEMO Connectors and European Plug
SS150SLUK	150S Flaw Detector with LEMO Connectors and UK Plug
SS150SLUS	150S Flaw Detector with LEMO Connectors and North American Plug
SS250SBEU	250S Flaw Detector with BNC Connectors and European Plug
SS250SBUK	250S Flaw Detector with BNC Connectors and UK Plug

SS250SBUS	250S Flaw Detector with BNC Connectors and North American Plug
SS250SLEU	250S Flaw Detector with LEMO Connectors and European Plug
SS250SLUK	250S Flaw Detector with LEMO Connectors and UK Plug
SS250SLUS	250S Flaw Detector with LEMO Connectors and North American Plug
MS350MBEU	350M Flaw Detector with BNC Connectors and European Plug
MS350MBUK	350M Flaw Detector with BNC Connectors and UK Plug
MS350MBUS	350M Flaw Detector with BNC Connectors and North American Plug
MS350MLEU	350M Flaw Detector with LEMO Connectors and European Plug
MS350MLUK	350M Flaw Detector with LEMO Connectors and UK Plug
MS350MLUS	350M Flaw Detector with LEMO Connectors and North American Plug
MS380MBEU	380M Flaw Detector with BNC Connectors and European Plug
MS380MBUK	380M Flaw Detector with BNC Connectors and UK Plug
MS380MBUS	380M Flaw Detector with BNC Connectors and North American Plug
MS380MLEU	380M Flaw Detector with LEMO Connectors and European Plug
MS380MLUK	380M Flaw Detector with LEMO Connectors and UK Plug
MS380MLUS	380M Flaw Detector with LEMO Connectors and North American Plug
RS125RBEU	RailScan 125 DFD with BNC Connectors and European Plug
RS125RBUK	RailScan 125 DFD with BNC Connectors and UK Plug
RS125RBUS	RailScan 125 DFD with BNC Connectors and North American Plug
RS125RLEU	RailScan 125 DFD with LEMO Connectors and European Plug
RS125RLUK	RailScan 125 DFD with LEMO Connectors and UK Plug
RS125RLUS	RailScan 125 DFD with LEMO Connectors and North American Plug
DS410DBEU	Dryscan 410D DFD with BNC Connectors and European Plug
DS410DBUK	Dryscan 410D DFD with BNC Connectors and UK Plug
DS410DBUS	Dryscan 410D DFD with BNC Connectors and North American Plug
DS410DLEU	Dryscan 410D DFD with LEMO Connectors and European Plug
DS410DLUK	Dryscan 410D DFD with LEMO Connectors and UK Plug
DS410DLUS	Dryscan 410D DFD with LEMO Connectors and North American Plug
PS450PBEU	Powerscan 450P DFD with BNC Connectors and European Plug
PS450PBUK	Powerscan 450P DFD with BNC Connectors and UK Plug
PS450PBUS	Powerscan 450P DFD with BNC Connectors and North American Plug
PS450PLEU	Powerscan 450P DFD with LEMO Connectors and European Plug
PS450PLUK	Powerscan 450P DFD with LEMO Connectors and UK Plug
PS450PLUS	Powerscan 450P DFD with LEMO Connectors and North American Plug

Accessories

195154	Shipping Case for Falcon series DFD's
SDMS-2	SDMS2 Sonatest Data Management system Software – allows transfer of programs and A-scan images between Flaw Detector and PC, includes USB cable.
165028	USB-PC cable
165005	USB-Printer / Keyboard Cable
152120	RS232 Interface cable (required for Falcon series DFD software update)
165027	Video Output cable (Lemo 00–RCA/Phono jack)
165040	Analogue proportional output cable for Falcon series DFD – wire ends
SONACOVER	Extend standard 2 year warranty to 5 years, includes annual calibrations at end of years 1, 2, 3 and 4 – contact sales office for pricing.
SONACOVER_II	Extend warranty for Digital Flaw Detectors from 5 years to 8 years, plus four annual calibrations to manufacturers specification at the end of Years 5, 6, 7 and 8

Spares

242164	Spare Lithium- Ion Battery
MPS-701UK	Mains Pack – for continuous AC Use
800208	Spare Charger
192030	Mains Lead – UK
192032	Mains Lead – European
192031	Mains Lead – North America

Sitescan D-series Lightweight Digital Flaw Detectors

Kestrel series

General Specifications:

- Lithium-ion battery pack gives up to 18 hours
- Transducer Sockets BNC or LEMO (factory option)
- Environmental case sealed to IP67
- Size: H172mm x W238mm x D70mm (6.77in x 9.37in x 2.75in)
- Weight: 1.7kg (2.4lbs) with Li-ion cells
- USB socket, for connection to printers, keyboards and PCs.
- Supports multiple languages.

Standard kit includes instrument, Li-ion battery & battery charger, fabric carry bag, calibration certificate, instruction manual, SDMS light software and interface cable

Note that the D-series Flaw Detectors do not come 'fully loaded' - the base model is sold at minimum price, and evaluation software options (DAC, AWS, DGS etc) are optional, at additional cost.

Available Models:

- Sitescan D-10 wide-band digital ultrasonic flaw detector
- Sitescan D-20 digital ultrasonic flaw detector with narrow band filters, TCG

Order Codes

D-10BKIT	D-10 Flaw Detector with BNC Connectors
D-10LKIT	D-10 Flaw Detector with LEMO Connectors
D-20BKIT	D-20 Flaw Detector with BNC Connectors
D-20LKIT	D-20 Flaw Detector with LEMO Connectors

Specify required zero-cost options when ordering - power cable and language pack

192030	Mains Lead – UK
192031	Mains Lead – North America
192032	Mains Lead – Europe

SWDLANGAFR	Africa	GB,FR,DE, PT
SWDLANGAMC	Americas and Canada	GB,ES,FR, PT
SWDLANGASIA	Asia	GB,CN
SWDLANGEE	Eastern Europe	GB,CZ,HU,PL,RU
SWDLANGEU	Western Europe	GB,DE,FR,IT,ES
SWDLANGSCAN	Scandinavia	GB, FI

Other language options may be specified, Currently available :
English,Chinese,German,French,Spanish,Russian,Italian,Polish,Hungerian,Finnish,Czech,Portuguese

Specific, extra-cost software options can be enabled by entering a license code.

SWD1020/1	Software DAC
SWD1020/2	Software DAC + DGS/AVG
SWD1020/3	Software DAC + AWS/API
SWD1020/4	Software DAC + DGS/AWS/API
SWD1020/6	B Scan + Advanced Thickness

Accessories

195167	Site Pack case (Yellow)
242168	Spare battery pack
195170	Body Harness (Sacci hook)
KMA-KIT1	Magnetic/Vacuum stand pack and clamp- Arm, Vacuum base, Clamp, Magnetic Clamp
D-SERIES-SITE-PACK	Yellow Site Pack case, 32mm diameter hook magnet (34kg pull), COG bracket assembly, magnetic bracket assembly, strap bracket, restraining lanyard 1m with karabiners

Application Kits

The application kits are intended as a general-purpose starter pack, for inspection in accordance with different standards.

- The EU/UK weld kit includes Sirius range probes, test blocks and software options for general inspection in accordance with EN standards and the DGS/AVG evaluation method.
- The US weld kit provides the equivalent for inspection in accordance with AWS code D1.1.
- The Universal weld test kit includes items for both the above.
- The Thickness kit includes the advanced Thickness logging option, SDMS3 software, a step test block, and suitable probes.

D-SERIESWELDKITEU/UK	D-Series Weld Test Kit EU/UK Kit Includes: D-SERIES-SITE-PACK , SMA2-45ZR , SMA2-60ZR , SMA2-70ZR , SMA4-45ZR, SMA4-60ZR , SMA4-70ZR Angle Transducers THM4-10Z 0 Deg Twin transducer, Transducer Cables: PC-LZ, TPC-LZ, CAL BLOCK NO.2 (20MM) Software DAC + DGG/AVG+G2 (N.B. Assumes instrument with Lemo connectors)
D-SERIESWELDKITUS	Weld Test Kit US Includes: D-SERIES-SITE-PACK D10/D20 SITE PACK SG62622 2.25MHz Standard Shearwave Transducer SW6245 45 degree wedge, SW6260 60 degree wedge SW6270 70 degree wedge , CAL BLOCK NO.2 (12.5mm), GEM5-10Z 5MHz twin compression transducer, Transducer Cables PC-BB, PC-BZ, Software DAC + AWS/API (N.B. Assumes instrument with BNC connectors)

D-WELDUNIVERSALEU	D-Series Universal Weld Test , Includes: D-SERIES-SITE-PACK SSG62622 , SW6245, SW6260, SW6270 THM4-10Z Cables PC-LZ, PC-LB, TPC-LZ CAL BLOCK NO.2 (12.5mm) Software DAC + DGS/AWS/API+G2 SMA2-45ZR , SMA4-45ZR , SMA2-60ZR , SMA4-60ZR , SMA2-70ZR , SMA4-70ZR (N.B. Assumes instrument with Lemo connectors)
D-TH'NESSTESTKTEU	D Series Thickness Test Kit, Includes: D-SERIES-SITE-PACK THM4-10Z , THM2-10Z Transducers TPC-LZ Cable (x2) SDMS Data logging software (Full version) Sonatest Thickness block VW 20x20mm (N.B. Assumes instrument with Lemo connectors)
D-TH'NESSTESTKTUS	D Series Thickness Test Kit, Includes: D-SERIES-SITE-PACK Gem 5-10Z (x2) Gem 2-10Z TPC-BZ Cable (x2) SDMS Data logging software (Full version) Sonatest Thickness block VW 20x20mm (N.B. Assumes instrument with BNC connectors)

Ultrasonic Thickness Gauges - *Corrosion measurement and similar applications*

B-Gage - *Low cost general purpose ultrasonic thickness gauge*

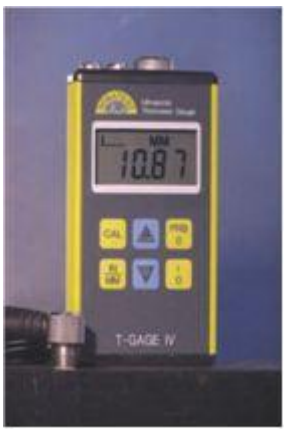
- Low-cost, plastic-cased instrument
- Adjustable velocity
- Battery-powered (2 x AA)
- Range 1.0 to 300mm (metric units only)

B-Gage	Standard B-Gage Kit includes: Instrument, BG105 Transducer, Cable, Carry Case, Bottle of Couplant, Manual, Batteries, Certificate of Calibration

Probes / Accessories

BG-105	5 MHz, 10mm Dual element transducer for B-gage (supplied as standard)
BG-105HT	5 MHz, 10mm Dual element transducer for B-gage High temperature version (to 150 C)
BG-205	2 MHz, 10mm Dual element transducer for B-gage, recommended for long path length /highly attenuative materials
BG-231	B-Gage spare cable, twin lemo 00-lemo 00

Steelgage II / Sonagage III / T-Gage IV series - *Ultrasonic thickness gauges*



Common features: Robust aluminium case, powered by 2 x AA batteries. Weight approx 290 grams. Kit includes: Instrument, 5 MHz 6mm standard Probe, batteries, couplant, carry case, manual, and certificate of conformity. Data logging versions include windows data transfer software and cable.

STEELGAGE II	Ultrasonic Thickness measurement gauge, Set material velocity (5930 ms-1) for use on carbon steel only.
SONAGAGE III	Ultrasonic Thickness measurement gauge, range of preset velocities for standard materials
T-GAGE IV	Ultrasonic Thickness measurement gauge, fully adjustable velocity, ability to calibrate on known thickness.
T-GAGE IV+	As T-Gage IV with Alarm, Differential measurement, High speed scanning, RS232 data send option.
T-GAGE IVDL	As T-gage IV+, with full data logger, up to 1000 readings. Includes software and cable.
T-GAGE IVMM	Multi Mode ultrasonic thickness gauge, facilities as T-Gage IV+, but with echo-echo mode[1], allowing accurate measurement of substrate thickness without removing paint / coatings.
T-GAGE IVMMDL	As T-Gage IV MM, with full data logging facilities.

CT-Gage series - *Ultrasonic thickness gauges with coating thickness measurement*

General Specifications:

- 3x AA Batteries give up to 150 hours operating time
- Environmental case sealed to IP67
- Size: 63 x 165 x 32mm (2.5 x 6.5 x 1.25 in)
- Weight: 383 g (13 oz) with batteries.
- Clear screen display; digit height of 17.8mm (0.7 in)
- Supports multiple languages. User-selectable between English, German, Spanish
- Measurement Modes:[2]
    - Coating Off: Pulse-Echo (P-E)
    - Coating On: Pulse-Echo Coating (PECT)
    - Temp Comp: Pulse-Echo Temperature Compensation (PETP)
    - Thru-Paint: Echo-Echo (E-E)
    - Coating Only: Coating (CT)

Standard Kit Includes Instrument, Carry Case, 5MHz ¼ Inch Probe, Batteries, Couplant, Calibration Certificate, Instruction Manual, RS232 Interface cable and Windows-compatible software

CT-GAGE	CT-Gage Basic, with probe recognition, Auto Zero, 25 Hz display update, Time based B-Scan
CT-Gage DL	As above, with data logging function, can store up to 16000 readings with associated B-Scan capture, or over 200,000 readings with thickness value only. Data storage can be organised as sequential with automatic identifier, or 2D grid.
CT-Gage DL+	As above with A-Scan display, multi stage gating (DAC)

[1] High Damped Probes recommended for Echo-Echo mode.

[2] P-E Mode works with all compatible probes, E-E mode requires composite, HD or CT range probes, PECT, PETP and CT modes require CT range probes.

Betagage - *Ultrasonic thickness gauge with A-Scan display*

General Specifications:

- 3x AA Batteries give up to 150 hours operating time
- Environmental Case sealed to IP67
- Size 63 x 165 x 32mm (2.5 x 6.5 x 1.25 in)
- Weight 383 g (13 oz) with batteries.
- Display: A-Scan, B-Scan, Lager Digits (0.4in, 10mm)
- Supports multiple languages. User-selectable between English, German, Spanish
- Measurement Modes:
  - Pulse-Echo (P-E)
  - Thru-Paint: Echo-Echo (E-E)
- Data logging: 12,000 readings with A/B-scan image

BETAGAGE	Betagage Standard Kit Includes Instrument, Carry Case, 5MHz ¼ Inch Probe, Batteries, Couplant, Calibration Certificate, Instruction Manual, RS232 Interface cable and Windows-compatible software

Transducers for Corrosion Gauges

Size Options (Dual Element)

3/16" crystal – ¼ " Wearface

1/4" crystal 3/8" Wearface

1/2" Crystal 5/8" wearface

Connector Options (Dual Element)

Potted (Integral)

Microdot

Lemo 00

Note: Integral and Microdot connector options can be either top- or side-entry configurations. Lemo connectors are only available in ½" transducer configuration, owing to space requirements. For high wear environments, Lemo connectors with an armoured cable are a more robust option, and are recommended.

Special Thickness Probe Codes

Code	Definition	Purpose
SS	Super Standard	High output transducer for increased sensitivity.
HR	High Resolution	Increased near surface resolution – thin materials (.025" steel).
CT	Coating Enabled	Works in conjunction with CT-Gage series coating feature.
HD	Highly Damped	Increased resolution for through paint/coating measurement.
CPZT	Composite	High output PZT damped crystal – additional gain/penetration

Usage Notes:

Low frequency transducers (1 or 2.25MHz) give better penetration in high-scattering materials such as fibreglass, plastics or cast iron. A longer wavelength reduces scattering, but reduces measurement accuracy. In most cases, a ½ inch, composite probe will provide optimum results.

5MHz transducers provide a compromise between accuracy and penetration, and are usually the best choice for corrosion measurement applications on steel. Most kits include a ¼", 5MHz probe as standard. ½" probes, will give a stronger, more focused sound beam (where access is adequate); however, they are less suitable for use on thin materials, due to greater V-path distortion.

High frequency transducers (7.5 or 10MHz) give better accuracy and can work on thinner materials, but have poorer penetration and are more affected by rough/corroded surfaces.

For echo-echo applications (measurement through paint), High Damped or Composite transducers are recommended. The CT-Gage will only operate in EE or CT mode with these probes.

Note that cables are included with ALL transducers on pages 9 to 11.

General Purpose Dual-Element Thickness Gauge Transducers

T-004-0000		1 MHz 1/2" Standard, with Potted connectors and top entry
T-104-0000		1 MHz 1/2" Standard, with Potted connectors and side entry
T-204-0001		1 MHz 1/2" Standard, with microdot connectors and top entry
T-304-0001		1 MHz 1/2" Standard, with microdot connectors and side entry
T-104-0600	REC	1 MHz 1/2" Composite, with Potted connectors and side entry
T-002-1000		2.25 MHz 1/4" Standard, with Potted connectors and top entry
T-102-1000	REC	2.25 MHz 1/4" Standard, with Potted connectors and side entry
T-202-1001		2.25 MHz 1/4" Standard, with microdot connectors and top entry
T-302-1001		2.25 MHz 1/4" Standard, with microdot connectors and side entry
T-004-1000		2.25 MHz 1/2" Standard, with Potted connectors and top entry
T-104-1000		2.25 MHz 1/2" Standard, with Potted connectors and side entry
T-204-1001		2.25 MHz 1/2" Standard, with microdot connectors and top entry
T-304-1001		2.25 MHz 1/2" Standard, with microdot connectors and side entry
T-104-1600	REC	2.25 MHz 1/2" Composite, with Potted connectors and side entry
T-104-9700		3.5 MHz 1/2" High Damped, with Potted connectors and top entry [3]
T-001-2000		5MHz 3/16" Standard, with Potted connectors and top entry
T-101-2000		5MHz 3/16" Standard, with Potted connectors and side entry
T-301-2001		5MHz 3/16" Standard, with microdot connectors and side entry
T-101-2700		5MHz 3/16" High Damped, with Potted connectors and side entry
T-002-2000		5MHz 1/4" Standard, with Potted connectors and top entry
T-102-2000	REC	5MHz 1/4" Standard, with Potted connectors and side entry
T-202-2001		5MHz 1/4" Standard, with microdot connectors and top entry
T-302-2001		5MHz 1/4" Standard, with microdot connectors and side entry
T-002-2700		5MHz 1/4" High Damped, with Potted connectors and top entry
T-102-2700	REC	5MHz 1/4" High Damped, with Potted connectors and side entry
T-102-7000		5MHz 1/4" Super Standard, with Potted connectors and side entry
T-004-2000		5 MHz 1/2" Standard, with Potted connectors and top entry
T-104-2000	REC	5 MHz 1/2" Standard, with Potted connectors and side entry
T-204-2001		5 MHz 1/2" Standard, with microdot connectors and top entry
T-304-2001		5 MHz 1/2" Standard, with microdot connectors and side entry
T-104-2700		5 MHz 1/2" High Damped, with Potted connectors and side entry
T-001-3000		7.5MHz 3/16" Standard, with Potted connectors and top entry
T-101-3000	REC	7.5MHz 3/16" Standard, with Potted connectors and side entry
T-002-3300		7.5MHz 1/4" Extra Resolution, with Potted connectors and top entry
T-102-3300	REC	7.5MHz 1/4" Extra Resolution, with Potted connectors and side entry
T-202-3301		7.5MHz 1/4" Extra Resolution, with microdot connectors and top entry

[3] Lowest frequency transducer available for Echo-Echo mode

T-302-3301		7.5MHz 1/4" Extra Resolution, with microdot connectors and side entry
T-102-3700		7.5MHz 1/4" High Damped, with Potted connectors and top entry
T-001-4000		10 MHz 3/16" Standard, with Potted connectors and top entry
T-101-4000		10 MHz 3/16" Standard, with Potted connectors and side entry
T-002-4000		10 MHz 1/4" Standard, with Potted connectors and top entry
T-102-4000	REC	10 MHz 1/4" Standard, with Potted connectors and side entry
T-202-4001		10 MHz 1/4" Standard, with microdot connectors and top entry
T-302-4001		10 MHz 1/4" Standard, with microdot connectors and side entry
T-004-4000		10 MHz 1/2" Standard, with Potted connectors and top entry
T-104-4000	REC	10 MHz 1/2" Standard, with Potted connectors and side entry
T-204-4001		10 MHz 1/2" Standard, with microdot connectors and top entry
T-304-4001		10 MHz 1/2" Standard, with microdot connectors and side entry
N-204-0020		Transducer cable, Dual Lemo-Microdot, 4 feet (1.2m) long

Composite Dual-Element Thickness Gauge Transducers

T-104-0600	REC	1 MHz 1/2" Composite , with Potted connectors and side entry
T-104-1600	REC	2.25 MHz 1/2" Composite , with Potted connectors and side entry

CT-Mode Thickness Gauge Transducers

Required for CT-Mode on CT-Gage range

T-104-9900		3.5 MHz 1/2" CT-Transducer , with Potted connectors and side entry
T-101-2900		5 MHz 3/16" CT-Transducer , with Potted connectors and side entry
T-102-2900		5 MHz 1/4 " CT-Transducer , with Potted connectors and side entry
T-104-2900		5 MHz 1/2" CT-Transducer , with Potted connectors and side entry
T-101-3900		7.5 MHz 3/16" CT-Transducer , with Potted connectors and side entry
T-102-3900		7.5 MHz 1/4 " CT-Transducer , with Potted connectors and side entry

High Temperature Dual-Element Thickness Gauge Transducers

High Damped versions allow measurement ignoring coating

T-042-1000		2.25 MHz 1/4" High Temp (650F, 340C) , with Potted connectors and top entry
T-242-1001		2.25 MHz 1/4" High Temp (650F, 340C) , with microdot connectors and top entry
T-044-1000	REC	2.25 MHz 1/2" High Temp (650F, 340C) , with Potted connectors and top entry
T-244-1001		2.25 MHz 1/2" High Temp (650F, 340C) , with microdot connectors and top entry
T-042-2000		5 MHz 1/4" High Temp (650F, 340C) , with Potted connectors and top entry
T-242-2001		5 MHz 1/4" High Temp (650F, 340C) , with microdot connectors and top entry
T-044-2000	REC	5 MHz 1/2" High Temp (650F, 340C) , with Potted connectors and top entry
T-244-2001		5 MHz 1/2" High Temp (650F, 340C) , with microdot connectors and top entry
T-042-2700		5 MHz 1/4" High Temp (650F, 340C) HIGH DAMPED , with Potted connectors and top entry
T-044-2700	REC	5 MHz 1/2" High Temp (650F, 340C) , HIGH DAMPED with Potted connectors and top entry
T-214-2001	REC	5 MHz 1/2" EXTRA High Temp (900F, 480C) , with microdot connectors and top entry
N-204-1020		High Temperature Armoured cable, Dual Lemo-Microdot, 4 feet (1.2m) long

High Wear Application Dual-Element Thickness Gauge Transducers

T-904-0009	1 MHz 1/2" Standard, with Lemo connectors and side entry
T-904-1009	2.25 MHz 1/2" Standard, with Lemo connectors and side entry
T-904-2009	5 MHz 1/2" Standard, with Lemo connectors and side entry
N-204-1000	Armoured, oil resistant cable, Dual Lemo-Lemo, 4 feet (1.2m) long

Dual-Element Thickness Gauge Transducers - *Automotive and similar applications*

Low-profile and/or convex-faced transducers; commonly used to verify remaining thickness when boring out engine blocks and ports. In most instances, 5MHz transducers are used for cast iron blocks and 10MHz transducers for aluminium blocks.

3/16" low-profile

¼" low-profile with 1" wand

¼" low-profile with 9" wand

½" curved – for use in cylinder blocks

T-121-2100	5 MHz 3/16" Low Profile with Potted connectors and side entry
T-162-2100	5 MHz 1/4" Low Profile, 0.6" (15mm) radius, with Potted connectors , 1 inch (25mm) wand
T-132-2100	5 MHz 1/4" Low Profile, 0.6" (15mm) radius, with Potted connectors , 9 inch (230mm) wand
T-104-2120	5 MHz ½" standard, 2" (50mm) radius, with Potted connectors, side entry
T-162-4100	10 MHz 1/4" Low Profile, 0.6" (15mm) radius, with Potted connectors , 1 inch (25mm) wand
T-132-4100	10 MHz 1/4" Low Profile, 0.6" (15mm) radius, with Potted connectors , 9 inch (230mm) wand
T-104-4120	10 MHz ½" standard, 2" (50mm) radius, with Potted connectors, side entry

Enclosure and Transducers for Underwater Inspection

The UMX enclosure allows the T-Gage IV **(basic version only)** to be used to depths of 300 feet (90 metres).

A-112-6004	UMX underwater enclosure with paddle controls, sealed depth-rated connectors.
T-174-9700	3.5 MHz, ½ inch Underwater transducer, with integral top cable
T-174-2006	5 MHz, ½ inch Underwater transducer, with integral top cable
T-074-2006	5 MHz, ½ inch Underwater transducer, with integral top cable – 50 foot (15m) long

Thickness Gauge Accessories

N-306-0010	Spare RS232C cable (DB-9-Lemo) (for TG-IV DL/MM DL Gauges, Sonagage III, CT-Gage, Betagage
N-104-0021	Flaw Mode adapter for Betagage / CT-Gage DL Dual Lemo – Single microdot.
F-000-7001	Bell shaped Spring-loaded Probe Holder (V-Block) for ¼" probes

Transducers for Old Model Thickness Gauges - *Steelgage & Sonagage II, T-LOG, Comparagage, T-Gage II etc.*

Detachable probes DO NOT include cables.

SG1	5MHz, ¼ Inch diameter twin crystal T.G.Transducer with integral side cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG1HT	5MHz, ¼ Inch diameter High Temp twin crystal T.G.Transducer with integral top cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG2HT	2.25MHz, ½ Inch diameter High Temp twin crystal T.G.Transducer with integral top cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG3	7MHz, ¼ Inch diameter twin crystal T.G.Transducer with integral side cable and Lemo connectors for Steelgage / Sonagage II Gauges. Lo-Range (0.75-25mm)
SG4	5MHz, ½ Inch diameter twin crystal T.G.Transducer with integral side cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG4HT	5MHz, ½ Inch diameter High Temp twin crystal T.G.Transducer with integral cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG6	5MHz, 1/8 Inch diameter twin crystal T.G.Transducer with integral side cable and Lemo connectors for Steelgage / Sonagage II Gauges.
SG7	10MHz, ¼ Inch diameter twin crystal T.G.Transducer with integral side cable and Lemo connectors for Steelgage / Sonagage II Gauges. Lo-Range
SG8	5MHz, ¼ Inch diameter twin crystal T.G.Transducer with long body, integral top cable and Lemo connectors for Steelgage / Sonagage II Gauges
SG9	10MHz, ¼ Inch twin crystal T.G.Transducer with long body, integral top cable and Lemo connectors for Steelgage / Sonagage II Gauges
SG10	5MHz, ¼ Inch twin crystal T.G.Transducer with integral top cable and Lemo connectors for Steelgage / Sonagage II Gauges.
TMP1D	5MHz 10mm twin crystal T.G.Transducer with top mounted microdot connectors
TMP1-HTD	5MHz 10mm High Temperature twin crystal T.G.Transducer with top mounted microdot connectors
TMP1-HTS	5MHz 10mm twin crystal High Temperature T.G.Transducer with top mounted subvis connectors
TMP1S	5MHz 10mm twin crystal T.G.Transducer with top mounted subvis connectors
TMP1Z	5MHz 10mm twin crystal T.G.Transducer with top mounted lemo 00 connectors
TMP2D	2.25MHz 15mm twin crystal T.G.Transducer with top mounted microdot connectors
TMP2-HTD	2.25MHz 15mm High Temperature twin crystal T.G.Transducer with top mounted microdot connectors
TMP2-HTS	2.25MHz 15mm twin crystal High Temperature T.G.Transducer with top mounted subvis connectors
TMP2S	2.25MHz 15mm twin crystal T.G.Transducer with top mounted subvis connectors
TMP3D	10MHz 6mm, Single element delay line T.G.Transducer with side mounted microdot connector
TMP3DT	10MHz 6mm, Single element delay line T.G.Transducer with top mounted microdot connector
TMP3S	10MHz 6mm, Single element delay line T.G.Transducer with top mounted subvis connector
TMP4B	5MHz 7mm twin crystal T.G.Transducer with integral cable and BNC Instrument connectors
TMP4IB	5MHz 7mm twin crystal T.G.Transducer with integral cable and BNC Instrument connectors, Tuning Inductor[4]
TMP4IL	5MHz 7mm twin crystal T.G.Transducer with integral cable and Lemo Instrument connectors, Tuning Inductor
TMP4L	5MHz 7mm twin crystal T.G.Transducer with integral cable and Lemo Instrument connectors
TMP5D	2.25MHz 10mm twin crystal T.G.Transducer with top mounted microdot connectors
TMP5S	2.25MHz 10mm diameter twin crystal T.G.Transducer with top mounted subvis connectors
TMP6S	1.25MHz 15mm diameter twin crystal T.G.Transducer with top mounted subvis connectors

[4] Tuning inductors are fitted to some dual-element transducers to optimize the wave shape when used on flaw detectors.

Alphagage - *Ultrasonic thickness gauge with A-Scan display*

Note: The Alphagage now has **limited availability** and is expected to be unavailable from **late 2010** (although support and accessories will continue to be provided, as with all Sonatest products).

General Specifications:

- Environmental case sealed to IP67
- Communication with PC or printer via infra-red port
- Size: 63 x 165 x 32mm (2.5 x 6.5 x 1.25 in)
- Weight: 880g (1.94 lbs) with battery
- Large digits: 17.8mm (0.7 in) high
- Operates with single- or dual-element probes
- Fully adjustable amplifier
- Time-corrected gain for long path/attenuative materials.
- Measurement Modes:
  - Depth to first echo.
  - Echo-to-Echo.
  - Minimum Thickness Mode.
  - V path correction for dual probes.

AG1/EU	Instrument with: Battery Pack, CH600 Charger and Euro Cable, manual, C of C
AG1/UK	As above with UK mains cable
AG1/US	As above with US mains cable
AG1/KIT/EU	AG1/EU, Plus AG5 Transducer, Twin cable, Spare battery pack, Leather Carry Case, interface software, USB-IR adapter, Aluminium transit case.
AG1/KIT/UK	AG1/UK, Plus AG5 Transducer, Twin cable, Spare battery pack, Leather Carry Case, interface software, USB-IR adapter, Aluminium transit case.
AG1/KIT/US	AG1/US, Plus AG5 Transducer, Twin cable, Spare battery pack, Leather Carry Case, interface software, USB-IR adapter, Aluminium transit case.

Alphagage Accessories

147253	Alphagage Manual
143010	Alphagage Hand Strap
BPALPHA	Alphagage Battery Pack
X-04	CH600 charger for Alphagage
195096	Alphagage Leather Carry Case with strap
195118	Alphagage Shipping Case (aluminium)
152124	PC-FZ Single Probe Cable, Fischer (Alphagage) – Lemo 00, 2m (6ft 6 inches) long.
152127	PC-FB Single Probe Cable, Fischer (Alphagage) – BNC, 2m (6ft 6 inches) long.
152125	PC-FS Single Probe Cable, Fischer (Alphagage) – Subvis, 2m (6ft 6 inches) long.
152126	PC-FL Single Probe Cable, Fischer (Alphagage) – Lemo 1, 2m (6ft 6 inches) long.
152128	PC-FD Single Probe Cable, Fischer (Alphagage) – microdot, 2m (6ft 6 inches) long.
SCA-10641	Infrared adapter for PC (USB interface)

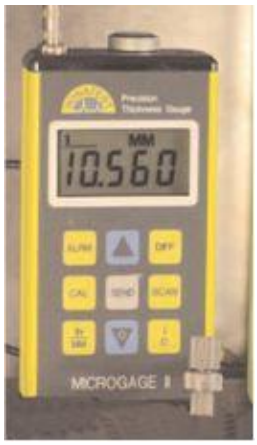
Suggested Transducers for Alphagage

AG5	5MHZ, 10mm stainless steel cases transducer with Subvis connectors (TPC-FS cable required for Alphagage)
SG1F	5MHz, ¼ Inch diameter twin crystal probe with integral side cable and Fischer connectors for Alphagage.
SG1HTF	5MHz, ¼ Inch diameter High Temp twin crystal probe with integral cable and Fischer connectors for Alphagage.
SG2HTF	2.25MHz, ½ Inch diameter High Temp twin crystal probe with integral cable and Fischer connectors for Alphagage.
SG4HTF	5MHz, ½ Inch diameter High Temp twin crystal probe with integral cable and Fischer connectors for Alphagage.
TMP3S	10MHz, 6mm delay line probe with Subvis connector (PC-FS cable required for Alphagage)

Note: The vast majority of thickness-gauging transducers (for other thickness gauges or flaw detectors) are compatible with the Alphagage.

Ultrasonic Precision Thickness Gauges

Microgage II - *Precision thickness gauge*



General Specifications:

- 2x AA Batteries give up to 150 hours of operation
- Environmental case sealed to IP67
- Size: 63 x 120 x 32mm (2.5 x 4.5 x 1.25 in)
- Weight: 285 g (10 oz) with batteries.
- Measurement Resolution: 0.001mm (0.0001 inches)
- Interface: Echo or Echo-to-Echo (through paint) measurement modes
- Alarms Mode
- 10-22 MHz frequency range
- Switchable backlight
- Optional Graphite delay, for use on plastics.

MICROGAGE II	Standard Kit Includes Instrument, Carry Case, 15MHz ¼ Inch Probe, Cable, Delay lines, Batteries, Couplant, Calibration Certificate, Instruction Manual.
MICROGAGE II/P	Microgage Kit as above, with special Probe/ Delay, Optimised for use on Plastics.

Microgage VX - *Precision thickness gauge with A-Scan display*

General Specifications:

- A-scan display with adjustable amplifier and gating parameters
- B-scan capability
- 3x AA Batteries give up to 150 hours of operation
- Environmental case sealed to IP67
- Size: 63 x 165 x 32mm (2.5 x 6.5 x 1.25 in)
- Weight: 383 g (13 oz) with batteries.
- Range of contact and delay probes available, from 2MHz to 20MHz
- Measurement Modes:
    - Pulse-Echo (General)
    - Interface Echo (Delay line)
    - Echo –Echo (Through Paint)

MICROGAGE VX	Standard Kit Includes Instrument, Carry Case, 15MHz ¼ Inch Probe, Batteries, Couplant, Calibration Certificate, Instruction Manual, RS232 Interface cable and windows-compatible software

Transducers for Precision Gauges

Small tips provide better results on curved surfaces or in pits; a larger tip (with a larger contact area) provides a stronger signal. Graphite tips are used on common plastics; the velocity is different from the material being tested, so a clear interface signal is produced to act as a measurement reference.

Single Element Delay Line Transducers

Easy to use, suitable for use on Microgage II and Microgage VX.

T-402-5507	15 MHz, ¼ inch delay line probe, Side microdot connector. Supplied with straight 3/8 inch acrylic delay line for use on metals.
T-402-6507	20 MHz, ¼ inch delay line probe, Side microdot connector. Supplied with straight 3/8 inch acrylic delay line for use on metals.

Delay lines and accessories:

X-231-0000	¼" diameter x 3/8" long acrylic delay line for ¼ inch probes
X-241-0000	¼" diameter x 1/2" long acrylic delay line for ¼ inch probes
X-132-0000	1/8 " cone tip acrylic delay line for ¼ inch probes
X-532-0000	3/16 " cone tip acrylic delay line for ¼ inch probes
X-633-0000	¼" diameter x 3/8" long graphite delay line for ¼ inch probes
X-533-0000	3/16 " cone tip graphite delay line for ¼ inch probes
A-129-6003	6" (150mm) extension wand for single element microdot transducers
N-104-0020	Single lemo- Microdot cable , 4ft (1.2m) long

Pencil type delay line transducer

Recommended for use with the Microgage VX – the Microgage II lacks the A-Scan display, which makes it much easier to orientate the probe.

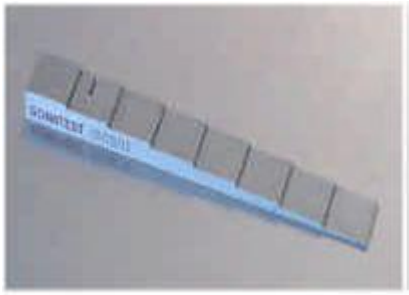
SONAPEN	10 MHz, 3/16" Pencil transducer, microdot connector supplied with 1/16" acrylic delay line
SONAPEN-RT	Right-Angle 10 MHz, 3/16" Pencil transducer, microdot connector supplied with 1/16" acrylic delay line
SONAPEN-45	45 degree 10 MHz, 3/16" Pencil transducer, microdot connector supplied with 1/16" acrylic delay line
X-152-0000	1/16" cone tip x 3/8" long acrylic delay line for 3/16" inch pencil probes
X-752-0000	1/8" cone tip x 3/8" long acrylic delay line for 3/16" inch pencil probes
X-532-0000	3/16" straight tip x 3/8" long acrylic delay line for 3/16" inch pencil probes

Single Element Contact Transducers

Only usable with the Microgage VX, as they require Pulse–Echo mode and gate adjustment.

T-402-1805	2.25 MHz, 1/4" contact probe, side Microdot Connector
T-404-1805	2.25 MHz,1/2" contact probe, side Microdot Connector
T-400-2805	5 MHz,1/8" contact probe, side Microdot Connector
T-402-2805	5 MHz, 1/4" contact probe, side Microdot Connector
T-402-2805	5 MHz, 1/2" contact probe, side Microdot Connector
T-400-4805	10 MHz, 1/8" contact probe, side Microdot Connector
T-402-4805	10 MHz, 1/4" contact probe, side Microdot Connector

Test Blocks and Consumables for Thickness Gauges



Test Blocks

149097	Calibration step Wedge CBM, 1.5, 2.5, 5.0, 10.0, 15.0 & 20mm
149098	Calibration step Wedge CBI 0.05, 0.1, 0.2, 0.3, 0.4 & 0.6in.
149099	Calibration step Wedge VW, 1, 2, 3, 4, 5, 6, 7, 8 steps + 20mm notch.

Couplant

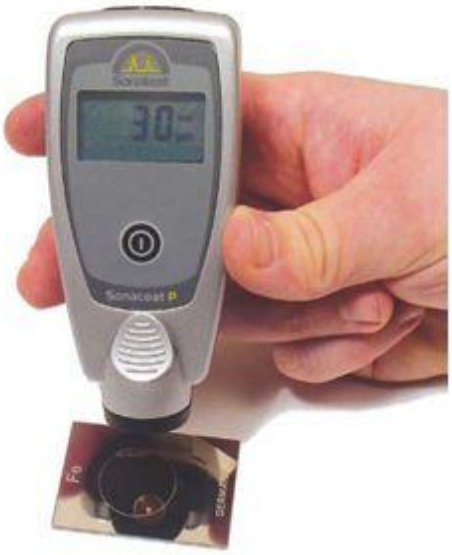
For more options, see consumables section (page 94 onwards).

SONAGEL-W250	Water based couplant, supplied as Box of 8 bottles of 250ml each
SONAGEL-O1	Oil-Based Couplant, supplied in 1-litre Tub
SONAGEL-HT1/P	High Temperature couplant, supplied in 100 ml Tube

Coating Thickness Meters

Sonacoat P – *Low cost digital coating thickness meter for painting inspection*

Easy to use, and suitable for measuring paint and coating on flat surfaces.



Specifications:

- Single-button operation
- Integrated transducer
- Uses 2x AAA batteries
- Suitable for ferrous and non-ferrous materials
- Measures to a thickness of 2000µm (80 mils)
- Accuracy: +/- (5µm + 5%)
- Requires 40mm x 40mm measuring area
- Resolution: 5µm
- Protected to IP52

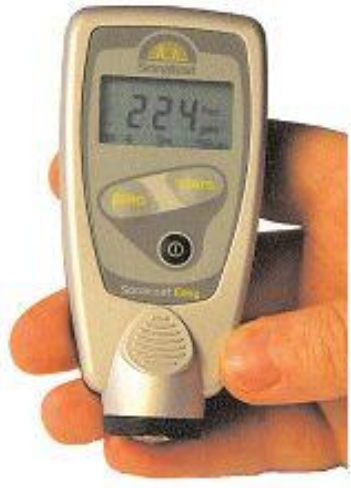
Kit Includes:

- Sonacoat P, 2x AAA batteries
- 200µm plastic shim
- Steel and aluminium zero plates
- Carry pouch, certificate of conformity, manual

SONACOAT P	Paint Thickness Gauge with Integrated Probe

Sonacoat EZ Range - *Digital coating thickness meters with integrated probe*

Accurate results with minimal fuss.



Specifications:

- Integrated transducer
- Uses 2x AAA batteries
- Suitable for ferrous and/or non-ferrous materials
- Measures up to 3500µm (1400 mils)
- Accuracy: +/- (3 µm +3%)
- Requires 10mmx10mm measuring area
- Basic statistical functions
- Resolution: 1µm
- Protected to IP52

Kit Includes:

- Sonacoat EZ , 2x AAA batteries
- plastic shim
- Steel and/or aluminium zero plate(s)
- Carry pouch, certificate of conformity, manual

SONACOAT EASY F	Basic Function Coating Thickness gauge with Integrated probe, for Ferrous materials
SONACOAT EASY FN	Basic Function Coating Thickness gauge with Integrated probe, for Ferrous and Non-ferrous materials

Sonacoat III Range – *Digital coating thickness meters with interchangeable probes and data logging facilities*

Specifications:

- Uses 2x AA batteries
- Probe-dependent parameters (refer to Sonacoat III data sheet):
  - Ferrous and/or non-ferrous material
  - Measures up to 10mm (0.4 inch)
  - Accuracy +/- (0.7 µm +1%)
  - Minimum measuring area 5mm square
  - Resolution 0.1 µm
- Protected to IP52
- Size: 137 x 66 x 23mm (5.4x2.6x0.9in)
- Weight: 225g (8 oz) with batteries
- S: 200 Readings, basic statistical functions
- Pro: 10,000 Readings, enhanced statistical functions
- Exports to PC via infrared for data analysis and reporting
- Continuous Scan mode

Kit Includes:
Sonacoat , 2 x AA batteries, Carry pouch, certificate of conformity, manual
Probes include: Zero plate(s), Calibration shims

SONACOAT III-FN (1.5)	High-Performance Coating gauge with attached Dual mode Probe (FN-1.5)
SONACOAT III (- S)	High-Performance Coating gauge with detachable Probe – probe not included
SONACOAT III-PRO	High-Performance Coating gauge with detachable Probe – probe not included, Pro version with enhanced data logging, management and analysis functions.

Probes for Sonacoat III

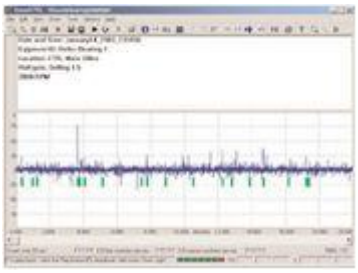
SCP-10749	Combination Probe FN 1.5, includes: 2 x Zero plates, 2 x Calibration shims
SCP-10750	Combination ext. range Probe FN 3.5, includes: 2 x Zero plates, 2 x Calibration shims
SCP-10751	Right Angle Combination Probe FN 1.5/ 90, For measurement inside pipes / bores >12 mm ID includes: 2 x Zero plates, 2 x Calibration shims
SCP-10752	Probe F 1.5, (Ferrous only) includes: Zero plate, 2 x Calibration shims
SCP-10753	Ext. range Probe F 3.5, (Ferrous only) includes: Zero plate, 2 x Calibration shims
SCP-10754	High range Probe F 10, (Ferrous only) includes: Zero plate, 2 x Calibration shims
SCP-10755	Probe N 1.5, (Non-Ferrous only) includes: Zero plate, 2 x Calibration shims
SCP-10845	Combination thin coating Probe FN 0.2, includes: 2 x Zero plates, 2 x Calibration shims

Standard Accessories for Sonacoat Range

SCA-10027	SPARE F Zero-Plate (Ferritic Stainless steel)
SCA-10028	SPARE N Zero-Plate (Aluminium)
SCA-10037	Sonacoat Calibration Standard[5] 12 µm
SCA-10038	Sonacoat Calibration Standard 30 µm
SCA-10039	Sonacoat Calibration Standard 40 µm
SCA-10040	Sonacoat Calibration Standard 100 µm
SCA-10041	Sonacoat Calibration Standard 200 µm
SCA-10042	Sonacoat Calibration Standard 360 µm
SCA-10043	Sonacoat Calibration Standard 500 µm
SCA-10044	Sonacoat Calibration Standard 800 µm
SCA-10045	Sonacoat Calibration Standard 1000 µm
SCA-10266	Sonacoat Calibration Standard 1500 µm
SCA-10731	Sonacoat Calibration Standard 2 mm
SCA-10348	Sonacoat Calibration Standard 3 mm
SCA-10349	Sonacoat Calibration Standard 4 mm
SCA-10501	Sonacoat Calibration Standard 5 mm
SCA-10350	Sonacoat Calibration Standard 6 mm
SCA-10351	Sonacoat Calibration Standard 8 mm
SCA-10352	Sonacoat Calibration Standard10 mm
SCA-10098	High Temperature Plastic Foot for 1.5 Probes up to 150 C (300F)
SCA-10595	Portable Printer with Infrared interface
SCA-10597	Paper for Printer (5 Rolls)
SCA-10599	Fixsoft Software, basic analysis and transfer to MS-Excel
SCA-10523	Prosoft software, for use with Sonacoat III-Pro
SCA-10641	Infrared adapter for PC or Printer (USB interface)

[5] All calibration standard thicknesses stated are nominal values. All calibration standards supplied will be of approximately the stated value, with actual value measured and marked.

SoundScan



The SoundScan 101 Receiver converts ultrasound at approximately 40 KHz into the audible range, allowing the user to easily hear noises such as escaping compressed air, electrical discharge, turbulent flow in fluid systems, or degraded bearings. Aviation-standard sound-attenuating headphones allow these sounds to be heard clearly, even in the presence of high ambient noise. The SoundScan 101 comes with a comprehensive set of attachments for detecting air- and structure-borne ultrasound.

An optional transmitter produces a distinctively modulated ultrasonic signal, allowing detection of leaks in seals, joints and unpressurised pipe work systems.

101-000031	Sonatest SoundScan 101 Full Kit Includes: Receiver, transmitter, headset, batteries, concentrator kit, acoustic probe kit, 4 contact probes, training CD, manual, certification, Shipping Case
101-000033	Sonatest SoundScan 101-IS Full kit – Intrinsically safe to ANSI/UL 913-88 requirements (USA[6])
101-000036	Sonatest SoundScan 101 Air Audit Kit (No Transmitter, No contact probes)
101-000037	Sonatest SoundScan 101 Air Audit Kit Intrinsically safe to ANSI/UL 913-88 requirements (USA)

[6] Note that the intrinsically safe version of the SoundScan does not comply with European ATEX detail requirements; the basis of the ANSI requirements is different.

SoundScan Standard Accessories

101-007025	Sonatest Powerbeam 300 Parabolic sound concentrator with integrated laser pointer. Extend range of SoundScan to up to 300 feet (90m) for applications such as overhead power line monitoring.
101-000010	Sound CTRL package (S/w, cable, PDA) for storage and analysis of ultrasound signal data.
101-000011	SoundCTRL Software + Cable only, requires suitable PDA (DELL AXIM X51 or similar - direct purchase recommended)
101-030085	Defect Tags Priority1 Red (Qty.100)
101-030086	Defect Tags Priority2 Orange (Qty.100)
101-030087	Defect Tags Priority3 Yellow (Qty.100)
101-030088	Defect Tags Mixed Pack (Qty.30 of each type)

SoundScan Spares

101-026025	Sonatest SoundScan 101 Receiver
101-026035	Sonatest SoundScan Transmitter
101-026026	Sonatest SoundScan Receiver (IS)
101-026036	Sonatest SoundScan Transmitter (IS)
101-000005	Acoustic Extension Probe Kit
101-070005	Acoustic probe adapter, double threaded
101-070040	Polycarbonate Acoustic probe, 300mm
101-070050	Metal Acoustic probe, 300mm single threaded end
101-070045	Metal Acoustic probe, 300mm double threaded end
101-070035	One-Inch acoustic probe
101-040045	3-inch (75mm) Solid Probe
101-040050	5-inch (125mm) Solid Probe
101-040055	8-inch (200mm) Solid Probe
101-040060	13-inch (330mm) Solid Probe
101-040065	23-inch (585mm) Solid Probe
101-070007	Concentrator Large
101-070009	Concentrator Small
101-070037	Acoustic Tip
101-025005	Headset (behind the head)

RapidScan – Array-Based Ultrasonic Scanning System

RapidScan is a special purpose array-based ultrasonic system, optimised for fast scanning of large areas. The system can handle arrays with up to 128 probe elements, normally using the Sonatest wheel probe. The RapidScan 2 is the base model, able to scan in one dimension to collect 'ribbons' of ultrasonic data. These can be manually stitched together to create larger images.

The RapidScan 3D adds the capability to interface with a FARO coordinate measurement arm, to which the probe is attached. This allows three-dimensional surfaces to be accurately scanned. This model also adds the potential for extensive software customisation – particularly the creation of 3D models of standard parts, which can then be scanned in production applications.

RapidScan 2

Specifications:

Pulser type: Negative square wave 70V
Pulse width: 25ns to 250ns, adjustable in 0.5ns steps
Max PRF: 100kHz
Active channels: 32, Max no. of Channels: 128
Receiver bandwidth: 1 MHz to 22 MHz
Receiver gain: 80dB
RF, Full Wave, Half Wave Positive, Half Wave Negative
TCG: Total correction: 80dB
Slope range: 0 - 40 dB/µs
Digitiser rate: 100 MHz, Dynamic range: 12 bits
Connector: Cannon ZIF 260 pins
Power supply: Universal (110-240V)
Dimensions: 520 x 375 x 210mm (W x D x H)
Weight: 15 Kg

RapidScan software provides: simultaneous live A/B/C-Scan display, simultaneous capture of multiple C-Scans, large area mapping capability, powerful post processing capability using full waveform capture, high framerate B-scan display (>200 Hz typical), and up to 6 gates with multiple peak detection, triggering and measurement.
Evaluation tools for data analysis include: Line/Rectangle/Circle/Ellipse/Polygon tools, histogram analysis, and a fully user-definable colour palette.
Typical Scan speed: 200 mm/s (64 elements, 2 gates, 1000 A-scan points, 0.8 mm resolution)

RAPIDSCAN2	RapidScan 2 base system including Suitable Laptop PC configured ready for use with current RS2 software, Interface card, Power cables, Carry bag and mouse for laptop. Operating Reference and "Quick Start" Manuals, Certificate of Conformity and one-year warranty.

RapidScan 3D

As RapidScan 2, with the addition of 3D area mapping capability.

The system interfaces to a FARO coordinate measurement arm, which enables C-scan mapping of 3-Dimensional parts corresponding to 'stock objects', such as planes or cylinders. Custom shapes can also be programmed from a CAD model.

Mapping volume: up to 6ft (1.8m) radius with the use of an appropriate FARO arm.

RAPIDSCAN3D	RapidScan 3D base system including: Laptop PC fully configured and ready for use with current RS3D software, interface card, power cables, FARO arm interface cable, carry bag and mouse for laptop, Operating Reference and "Quick Start" Manuals, Certificate of Conformity and one-year warranty.
OFFLINE RS3D EV(1)	Additional software license (1 User) for offline evaluation software

Faro Arms and Accessories for RapidScan 3D

Sonatest recommend FARO *Fusion* series arms, which are the lowest-cost model; higher-spec *Platinum* or *Quantum* series are also suitable. Older *Advantage* models, if fitted with a USB interface, may be suitable. Contact Sonatest for further details. The 7-axis option is required.

FARO arms used for RapidScan systems can be reconfigured for CMM and related applications within minutes.

Sonatest recommend purchasing through a local FARO distributor, to ensure on-site support is available.

RS3DARM-F6	FUSION 'Affordable' range USB Coordinate measurement arm, covers 6ft (1.8) operating circle (3ft radius) For use with RapidScan 3D system Also usable for CMM applications Package includes: Arm, base Plate, standard probe kit (3mm and 6mm), cables, Custom cover Heavy Duty Shipping case and 1 year standard warranty.
RS3DARM-F8	FUSION 'Affordable' range USB Coordinate measurement arm, covers 8ft (2.4m) operating circle (4ft radius) For use with RapidScan 3D system Also usable for CMM applications Package includes: Arm, base Plate, standard probe kit (3mm and 6mm), cables, Custom cover Heavy Duty Shipping case and 1 year standard warranty.
RS3DARM-F10	FUSION 'Affordable' range USB Coordinate measurement arm, covers 10ft (3.0m) operating circle (5ft radius) For use with RapidScan 3D system Also usable for CMM applications Package includes: Arm, base Plate, standard probe kit (3mm and 6mm), cables, Custom cover Heavy Duty Shipping case and 1 year standard warranty.

RS3DARM-F12	FUSION 'Affordable' range USB Coordinate measurement arm, covers 12ft (3.6m) operating circle (6ft radius) For use with RapidScan 3D system Also usable for CMM applications Package includes: Arm, base Plate, standard probe kit (3mm and 6mm), cables, Custom cover Heavy Duty Shipping case and 1 year standard warranty.

RapidScan Training and Consultancy Options

RS2-TRAIN	2 ½ day Training Course for RapidScan 2 system, for up to 6 people, to cover theory, setup and operation along with initial assistance with customers applications. Basic knowledge of Ultrasonic NDT assumed. Can be provided at our facility in Milton Keynes, or onsite at additional cost. Standard prices exclude travel costs and expenses. Please contact sales office to discuss.
RS3D-TRAIN	3 ½ day Training Course for RapidScan 3D system, for up to 6 people, to cover theory, setup and operation along with initial assistance with customers applications. Basic knowledge of Ultrasonic NDT assumed. Can be provided at our facility in Milton Keynes, or onsite at additional cost. Standard prices exclude travel costs and expenses. Please contact sales office to discuss.
RS3D-CONSULT	Daily Rate for additional NDT consultancy
RS3D-SOFTCONS	Daily Rate for additional software work, including import from CAD models

Wheel Array Probes - *for use with RapidScan 2 or RapidScan 3D*

Wheel array probes use a standard array inside a unique polymer wheel which has near-identical ultrasonic properties to water. This produces comparable results to those that would be obtained in an immersion tank, while needing only a light spray of water to assist coupling.

Standard Configuration Wheel Probe

With a 50mm wide active area, standard configuration wheel probes are optimised for general use on flat surfaces, especially for composite material inspection. When operation on tightly-curved surfaces is not required, this probe design produces a straight-line scan more easily than the 'corrosion' array design. Inspection pressure is adjustable.

AWP-01-26-20-05-C	1MHz 26el (2mm pitch) Array Wheel Probe with Large Cannon Connector for RapidScan, 5m Cable
AWP-02-64-08-05-C	2MHz 64el (0.8mm pitch) Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable
AWP-05-64-08-05-C	5MHz 64el (0.8mm pitch) Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable
AWP-10-64-08-05-C	10MHz 64el (0.8mm pitch) Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable

Wide Configuration Wheel Probe

With a 100mm wide active area, wide configuration wheel probes are optimised for use on large flat surfaces, especially for composite material inspection.

AWP-05-128-08-05-C	5MHz 128el (0.8mm pitch) Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable

'Corrosion' Array Wheel Probe

With a 50mm wide active area, 'corrosion' array probes are optimised for use on both flat and cylindrically curved surfaces, particularly when carrying out onsite corrosion inspection on vessels and piping. The probe angle can be adjusted without tools in seconds to accommodate various part radiuses.

CWP-05-64-08-05-C	5MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable
CWP-10-64-08-05-C	10MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with Large Cannon Connector for RapidScan 5m Cable

FARO Arm Probes for RapidScan 3D

For use with a RapidScan 3D system coupled with a FARO coordinate measurement arm.

Faro Arm Wheel Probes

FAWP-02-64-08-05-C	2 MHz 64el (0.8mm pitch) Array Wheel Probe with Mounting for use on FARO Positioning Arm and RapidScan 3D 5m Cable
FAWP-05-64-08-05-C	5 MHz 64el (0.8mm pitch) Array Wheel Probe with Mounting for use on FARO Positioning Arm and RapidScan 3D 5m Cable
FAWP-10-64-08-05-C	10 MHz 64el (0.8mm pitch) Array Wheel Probe with Mounting for use on FARO Positioning Arm and RapidScan 3D 5m Cable

Faro Arm Bubbler Probe

(Requires continuous water trickle and catchment)
Used for inspection of areas with more restricted access, or with sharper curvature than can be accommodated using a wheel probe.

FABP-05-64-08-05-C	5 MHz 64el (0.8mm pitch) Array Bubbler Probe with Mounting for use on FARO Positioning Arm and RapidScan 3D 5m Cable

Array Wheel Probe spares / accessories

AWP-BUNGS	Bungs for Wheel Probe (Kit of 5)
AWP-SPARE 50MM	AWP 50mm Spare Part Kit
AWP-SPARE-100MM	Spare Parts Kit for 100mm AWP
AWP-TYRE-100	Spare Tyre 100mm Wheel Probe
AWP-TYRE-50	Spare Tyre 50mm Wheel Probe (includes gaskets)
AWP-TYRE-50-LP	Low Pressure Tyre – replaces standard tyre on AWP, FAWP or CWP wheel probes with 'flatter' design requiring less applied pressure – Not suitable on concave surfaces.

Other Probe Systems - *for use with the RapidScan*

Stringer / Sliding Probes

The Stringer probe is intended for hand-held inspection of areas where the standard array wheel probe is too large or cumbersome. In particular, it allows inspection to within approximately 10mm of protruding structures. It uses the same acoustic rubber as the wheel probe, with a PTFE coating to reduce friction. Again, only a spray of water is required for coupling.

An encoder allows use with RapidScan systems to produce a C-Scan.

ASP-05-64-08-05-C	5MHz 64el (0.8mm pitch) Sliding Array probe with Large Cannon Connector for RapidScan 5m Cable
ASP-10-64-08-05-C	10 MHz 64el (0.8mm pitch) Sliding Array probe with Large Cannon Connector for RapidScan 5m Cable

Manual Bubbler probes

The Miniature Bubbler probe uses a 44-element array, and produces results with minimum width and untested area at the side of the array. It requires a steady trickle of water.

ABP-05-44-08-05	5 MHz 44el (0.8mm pitch) Miniature Bubbler Array probe with Large Cannon Connector for RapidScan 5m Cable
ABP-10-44-08-05-C	10 MHz 44el (0.8mm pitch) Miniature Bubbler Array probe with Large Cannon Connector for RapidScan 5m Cable

Radius Probes

RapidScan radius probes use a number (typically 4 or 8) of single element probes arranged to give complete coverage of internal or external radiuses - areas where a conventional inspection is impossible. Depending on the geometry, a single block or a number of semi-floating probe assemblies may be used.

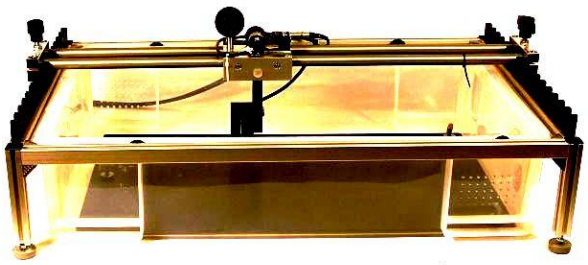
Radius probes are custom-made for specific requirements; please contact our sales office to discuss.

Breakout Boxes

The RapidScan Breakout Boxes are used with the radius probes, or with standard ultrasonic probes, to connect up to 8 individual probes to the RapidScan.

RSW3D-BNC-2	2 channel Breakout Box, adapts 2 x probes with BNC connector to Large Cannon Connector for Rapidscan
RSW3D-BNC-4	4 channel Breakout Box, adapts 4 x probes with BNC connector to Large Cannon Connector for Rapidscan
RSW3D-BNC-8	8 channel Breakout Box, adapts 8 x probes with BNC connector to Large Cannon Connector for Rapidscan

RapidScan Immersion Tank



The RapidScan immersion tank allows irregular parts to be easily scanned in a sequence of parallel ‘sweeps’ at constant spacing. The T-scan facility of the RapidScan software can then be used to assemble a complete C-scan.

- Component size: 500 x 300 x 30mm
- Scan pitch: 45mm
- Water volume: 20 litres

AST-05-64-08-05-C	RapidScan immersion tank with 5MHz 64el (0.8mm pitch), Array probe 5m Cable
AST-10-64-08-05-C	RapidScan immersion tank with 10 MHz 64el (0.8mm pitch), Array probe 5m Cable

Array Wheel Probes - *for use on Phased Array equipment*

For use with AGR Handyscan Phased Array system

(High density D-type connector for probe, 15 way D-type connector for encoder)

AWP-02-64-08-05-AGR	2MHz 64el (0.8mm pitch) Array Wheel Probe with D connectors for Handyscan, 5m Cable
AWP-05-64-08-05-AGR	5MHz 64el (0.8mm pitch) Array Wheel Probe with D connectors for Handyscan, 5m Cable
AWP-10-64-08-05-AGR	10 MHz 64el (0.8mm pitch) Array Wheel Probe with D connectors for Handyscan, 5m Cable
CWP-05-64-08-05-AGR	5MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with D connectors for Handyscan, 5m Cable
CWP-10-64-08-05-AGR	10 MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with D connectors for Handyscan, 5m Cable

For use with Sonatest veo

(IPEX array connector, Lemo encoder connectors)

AWP-02-64-08-05-VEO	2MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Veo, 5m Cable
AWP-05-64-08-05-VEO	5MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Veo, 5m Cable
AWP-10-64-08-05-VEO	10 MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Veo, 5m Cable
CWP-05-64-08-05-VEO	5MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with IPEX connector for Veo, 5m Cable
CWP-10-64-08-05-VEO	10 MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with IPEX connector for Veo, 5m Cable

For use with RD-Tech/Olympus/Zetec Omniscan

(IPEX array connector, High density D-type encoder connectors)

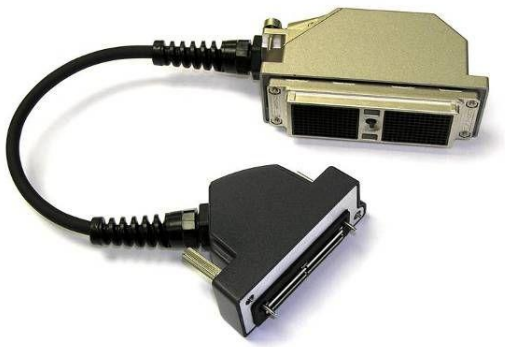
AWP-02-64-08-05- OMNI	2MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Omniscan, 5m Cable
AWP-05-64-08-05- OMNI	5MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Omniscan, 5m Cable
AWP-10-64-08-05- OMNI	10 MHz 64el (0.8mm pitch) Array Wheel Probe with IPEX connector for Omniscan, 5m Cable
CWP-05-64-08-05- OMNI	5MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with IPEX connector for Omniscan, 5m Cable
CWP-10-64-08-05- OMNI	10 MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with IPEX connector for Omniscan, 5m Cable

For use with Harfang X.32 , M2M, Olympus Tomoscan, Zetec Dynaray etc

(With Hypertronics array connector, Note that encoder connectors may vary, adapters available)

AWP-02-64-08-05-HP	2MHz 64el (0.8mm pitch) Array Wheel Probe with Hypertronics connector ,5m Cable
AWP-05-64-08-05-HP	5MHz 64el (0.8mm pitch) Array Wheel Probe with Hypertronics connector ,5m Cable
AWP-10-64-08-05-HP	10 MHz 64el (0.8mm pitch) Array Wheel Probe with Hypertronics connector, 5m Cable
CWP-05-64-08-05-HP	5MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with Hypertronics connector ,5m Cable
CWP-10-64-08-05-HP	10 MHz 64el (0.8mm pitch) 'Corrosion' Array Wheel Probe with Hypertronics connector ,5m Cable

Adapters



A variety of adapters are available to allow use of RapidScan probes fitted with Cannon connectors with standard phased array equipment.

Kits include two adapters; one for use with the probe and one for use with the encoder.

Please contact sales office for options not shown.

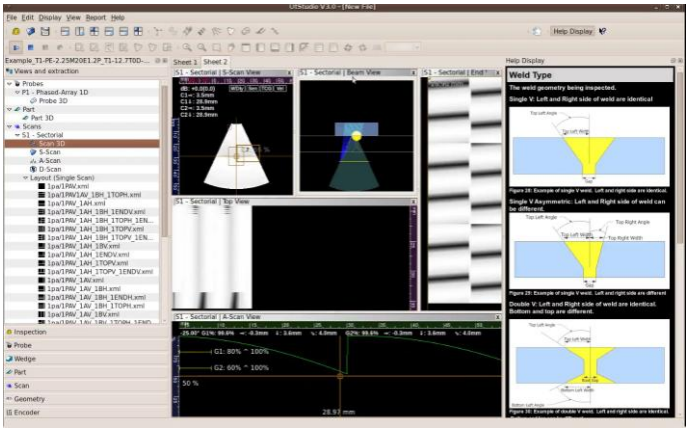
RS-CONV-AGR	Adaptor Kit RS to AGR (High Density D-type Connector)
RS-CONV-HP	Adaptor Kit RS to Hypertronics
RS-CONV-OMNI	Adaptor kit RS to OmniScan
RS-CONV-VEO	Adaptor kit RS to Sonatest-VEO

Ultrasonic Phased Array Instrumentation

Sonatest veo - *Phased array ultrasonic flaw detector*

General specifications:

- 16 channels, multiplexed to 64 probe elements
- 2 mono-element channels with TOFD software
- Multi-view display
- 1024 focal laws
- DAC, TCG, ACG
- 10inch widescreen display (1024 x600)
- UT-studio software
- 5.3 kg
- 6 hour+ battery life
- IP65 enclosure



UT- Studio, versions available**:**

- **FREE Viewer program**
  Allows data files and reports to be viewed.
- **Standard Edition**
  Allows complete off-line analysis of files, advance report generation, layout customization.
- **Professional edition**
  (not yet available)
  Allows remote data acquisition and motion control

VEO 16_64 LEMO	veo 16:64 instrument with LEMO connectors Lithium-Ion Battery packs x 2 Power Cord & Power Supply adaptor Guarantee Card Calibration Certificate Quick Start Guide & User Manual CD Screen Protector (Anti-Glare) Carry Strap 4-point Neck Harness UT Studio Viewer CD USB Memory Stick (8GB) Couplant Storm Case (Airplane carry on size)
VEO 16_64 BNC	As above with BNC connectors

Veo application kits

VEO-1664MAGKIT	Contains: VEO 16:64 standard kit. VEO TOFD option PX-Magman-2-VEO Magman 2 Scanner with 2 off 30x30 toolposts and Veo encoder connection. PX-MM-PATP Additional phased array toolpost ASM-9038-IX300 3m DAAH Cable T1-PE-5.0M32E0.8P DAAH Probe 35 degree Wedge to suit DAAH Probe 2 x TOFD Probe PX-CDTOF 05/02 2 x TOFD Wedge PX-WTOFI 12/45 2 x TOFD Wedge PX-WTOFI 12/60 2 x TOFD Wedge PX-WTOFI 12/70 2 x PC-LZ-5m Lemo 1–lemo 00 cable
VEO-1664CWPKIT	Veo 16:64 standard kit CWP -05-64-08-05-VEO
VEO-1664MTOFDKIT	VEO 16:64 standard kit VEO TOFD option PX-WREN-4-VEO 2 x TOFD Probe CDTOF 05/02 2 x TOFD Wedge PX-WREN-12/45 2 x TOFD Wedge PX-WREN-12/60 2 x TOFD Wedge PX-WREN-12/70 2 x PC-LZ-5m Lemo 1–lemo 00 cable
VEO-1664WELDKIT	(Does not include TOFD, add if required) Veo 16:64 standard kit T1-PE-5.0M22E0.8P-35W0D DAAH Probe with SW wedge T1-PE-5.0M32E0.8P DAAH Probe T1-PE -2.25M20E1.2P DAAH Probe 2 x T1 35W0D-REXO Shear wave wedge for DAAH Probe ASM-9038-IX200 2m DAAH Cable ASM-0203-OD200 Quicktrace encoder with VEO adapter

Veo standard spares and accessories

ROLLKEYBOARD-UK	Splash Proof USB Keyboard
	Waterproof Mouse
800421	Veo Power supply
800422	External Battery Charger
	Tripod
242171	Lithium-ion Battery pack
147383	Veo Quick Start Guide
147384	Veo user manual
195193	Veo Carry strap
195194	Veo 4 point harness
	UT Studio – Viewer edition on CD (freely distributable edition)
	UT Studio –Standard edition (extra license)
	UT Studio - Professional edition
	UT Studio - Professional edition (upgrade from standard)
ASM-0203-OD200	Quick Trace Encoder, with ODU connector (veo), 200cm
ASM-9038-IX200	Type 1 DAAH adaptor, single socket, I-PEX connector, 200cm
ASM-9039-IX200	Type 1 DAAH adaptor, dual socket, I-PEX connector, 200cm
145428	Screen Protector
145408	High Speed 8GB USB memory stick
PX_AMP_40TL	TOFD 40dB Pre-amp
165208	HD-15 Encoder Adapter (use Omniscan encoder on veo)

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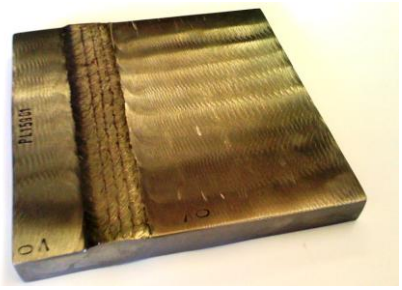
Harfang X.32 Phased Array Instrument Accessories

(The X.32 is no longer available)

PQP-0002-LI108	Pair of Lithium-ion battery packs
PPA-006_CHGLI	Battery Charger
ASM-9037-WPUMP	PP-1 Portable Pump Unit Peristaltic pump system for probe irrigation, AC powered, Flow rate adjustable 36-135 ml/min.
ASM-9036-01100	MP-2 Portable Motor and Pump Unit With DC servo motor control (Stepper motors Factory option) peristaltic pump mechanism for probe irrigation, remote control via Ethernet. Rugged carrying case
ASM-9021-PD100	M-Box. 32/128 multiplexer to use probe, or combination of probes, with up to 128 elements
ASM-0073-064YS	Y-Splitter 32/32 Allows connection of two separate 32 element probes.
ASM-0075-128YS	Y-Splitter 64/64 Allows connection of two separate 64 element probes.. May be used in combination with two 32/32 splitter to connect 4 32 element probes.
ASM-9035-00100	Mono-element connector Hypertronics to 4 x BNC connectors, allows connection of 4 monoelement probes.

Phased Array Test Blocks

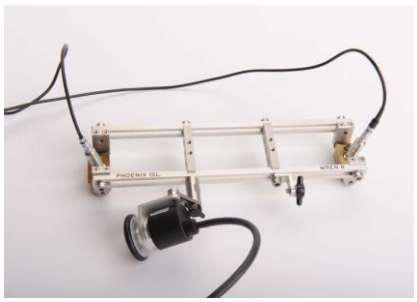


TST-0007	Phased array Test Block, 1018 Carbon steel 150 x 100 x 25mm, With 4 series of side drilled holes at 25mm radius, 50mm radius, 10mm constant depth and one at 30/60 degrees, Plus 4 additional holes at 15, 30, 45 and 60 degrees from surface
TST-0008	Phased array Test Block, Aluminium Alloy 150 x 100 x 25mm, With 4 series of side drilled holes at 25mm radius, 50mm radius, 10mm constant depth and one at 30/60 degrees, Plus 4 additional holes at 15, 30, 45 and 60 degrees from surface
149340	Demonstration / Training weld sample. Lightweight (5 kg) 180 x 180 x 20 mm, Carbon steel, with offset V-weld containing 3 typical defects, supplied with as built drawings (Sonaspection)
PX-PACALBLK	Phased Array Calibration Block (Phoenix type)

Phoenix Scanners and Accessories

Suitable for use with the veo phased array ultrasonic flaw detector. Suggested packages for common applications are listed; however, please note that a wide range of options and accessories for all types are available. Please contact the sales office to discuss your requirements.

TOFD scanning frames



PX-TOFD-CAL-VEO	TOFD Caliper with encoder and 5m cable terminated with veo odu connector, 'Y' connectors & tubing for couplant feed Kit includes: 2 x transducers – PX-CDTOF 05/02 (Piezo composite), with certificates. 5MHz - 6.3mm crystal - M12 Thread – Lemo '00' 2 each PX-WTOFI 12/45, PX-WTOFI 12/60 , PX- WTOFI 12/70 Wedges (plastic) - 45°, 60°, 70° - irrigated –with M12 Thread Carry Case Requires cables, Preamp recommended.
PX-WREN-4-VEO	WREN 4"scanner with encoder and 5m cable terminated with veo odu connector, 'Y' connectors & tubing for couplant feed& tubing for couplant feed Kit includes: 2 x transducers – PX-CDTOF 05/02 (Piezo composite), with certificates. 5MHz - 6.3mm crystal - M12 Thread – Lemo '00' 2 each PX-WREN 12/45, PX-WREN 12/60 , PX- WREN12/70 Wedges (Brass) - 45°, 60°, 70° - irrigated –with M12 Thread Carry Case Requires cables, Preamp recommended.
PX-WREN-8-VEO	WREN 8" scanner with encoder and 5m cable terminated with veo odu connector, 'Y' connectors & tubing for couplant feed& tubing for couplant feed Kit includes: 2 x transducers – PX-CDTOF 05/02 (Piezo composite), with certificates. 5MHz - 6.3mm crystal - M12 Thread – Lemo '00' 2 each PX-WREN 12/45, PX-WREN 12/60 , PX- WREN12/70 Wedges (Brass) - 45°, 60°, 70° - irrigated –with M12 Thread Carry Case Requires cables, Preamp recommended.

TOFD accessories

152166	PC-LZ-5m Lemo 00- Lemo 1 probe cable, 5m length
PX-AMP-40TL (+cables)	Ultra Low Noise Preamplifier, 40dB gain, for dual probe / TOFD applications. Powered by 9V alkaline battery. Lemo 00 connectors With cable set, 2 x PC-LZ(5m) PC-ZZ(2m)

Multipurpose Scanners

30mm x 30mm tool post yokes are suitable for holding either TOFD or standard monoelement probes; larger yokes are required for use with larger or Phased Array probes

Note that similar parts are not always interchangeable, and if you are buying parts to complement an existing system, full information regarding your scanner configuration will be required.

Mini Magman

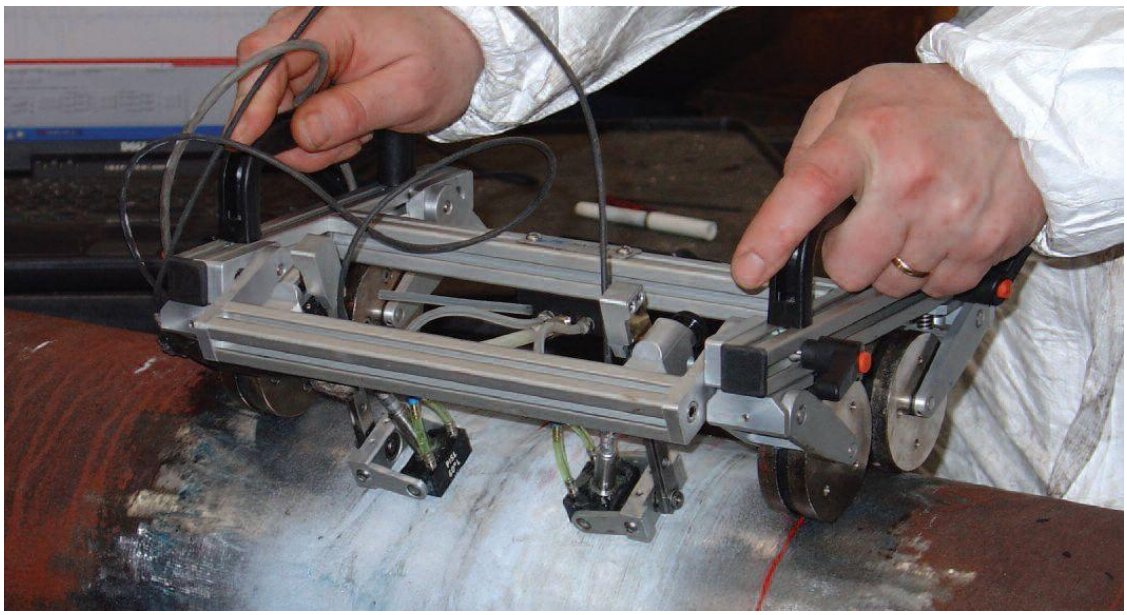
- Magnetic-wheeled scanner
- Holds up to 4 probes
- Probes independently sprung and gimballed
- Accurate tracking
- Operates in any orientation on flat plate through to 3" OD pipe
- Positional encoder output
- Can be supplied with TOFD, Phased Array and pulse-echo probes and wedges, inclusive of gimballing and couplant feeds.

PX-MINIMAG-2-VEO	Mini - Magman 2- inclusive of the following: Encoder with 5M encoder cable with veo connector, Toolposts: 2off toolposts with 30x30mm yokes
PX-MINIMAG-4-VEO	Mini - Magman 4- inclusive of the following Encoder with 5M encoder cable with veo connector, Toolposts: 4off toolposts with 30x30mm yokes

Accessories for Mini Magman

PX-MI-LPTP	Low profile toolpost for Mini Magman with 30 x 30 forks
PX-MI-PATP	Phased array toolpost for Mini Magman with stainless steel forks, 90 degree bracket and wedge cradle. Wedge information must be supplied.
PX-MI-TRTPA	Transverse toolpost adapter for Mini Magman (toolpost not included)
PX-CHAIN	5m Guiding Chain for Phoenix Scanners, includes 1 off Tightener, 1 off connector, scanner Chain Guide not included
PX-MI-GUIDE	Chain Guide (including bracket) for Mini Magman Scanner
PX-CH-REM	Chain Link Remover
PX-CH-TIGHT	Tightener for Guiding Chain
PX-CH-CONN	Connector for Guiding Chain
PX-MI-SPARES	Spares Kit, (Contents to be defined)

Magman MKIII



- Allows for inspections of both circumferential and longitudinal pipe welds
- Holds up to 12 probes
- Probes independently sprung and gimballed
- Independent suspension on all 4 magnetic wheels for uneven surfaces
- Compact (350mm x 325mm) and lightweight aluminium frame (3kg)
- Accurate tracking via guide chain or laser
- Operates in any orientation and from 1.5” OD through to flat plate
- Operates on internal pipe surfaces
- Splash-proof, spring-loaded wheel encoder

PX-MAGMAN-2-VEO	Magman 2- inclusive of the following: Encoder with 5M encoder cable with veo connector, Toolposts: 2off toolposts with 30x30mm yokes
PX-MAGMAN-4-VEO	Magman 4- inclusive of the following Encoder with 5M encoder cable with veo connector, Toolposts: 4off toolposts with 30x30mm yokes
PX-MAGMAN-6-VEO	Magman 6- inclusive of the following: Encoder with 5M encoder cable with veo connector, Toolposts: 6off toolposts with 30x30mm yokes
PX-MAGMAN-8-VEO	Magman 8- inclusive of the following Encoder with 5M encoder cable with veo connector, Toolposts: 8 off toolposts with 30x30mm yokes

Accessories for Magman Scanner

PX-MM-TP	Standard toolpost for Magman with 30 x 30 forks
PX-MM-LPTP	Low profile toolpost for Magman with 30 x 30 forks
PX-MM-PATP	Phased array toolpost for Magman with stainless steel forks, 90 degree bracket and wedge cradle. Wedge information must be supplied.
PX-MM-TRTPA	Transverse toolpost adapter for Magman (toolpost not included)
PX-MM-PCS	PCS 450mm Extension bar to increase probe separation
PX-CHAIN	5m Guiding Chain for Phoenix Scanners, includes 1 off Tightener, 1 off connector, scanner Chain Guide not included
PX-MM-GUIDE	Chain Guide (including bracket) for Magman Scanner
PX-CH-REM	Chain Link Remover
PX-CH-TIGHT	Tightener for Guiding Chain
PX-CH-CONN	Connector for Guiding Chain
PX-MM-LASER	Laser Guide for Magman scanner
PX-MM-SPARES	Spares Kit, (Contents to be defined)

Multi Mag

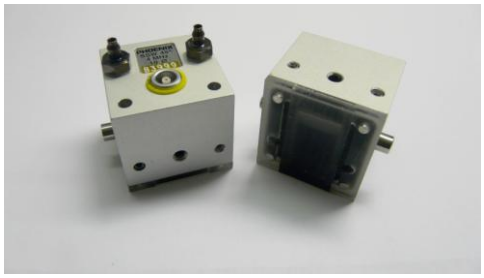
- Holds up to 4 probes
- Probes independently sprung and gimballed
- Accurate tracking
- Positional encoder output
- Can be supplied with TOFD, Phased Array and pulse-echo probes and wedges, inclusive of gimballing and couplant feeds

PX-MULTIMAG-2-VEO	Multi Mag 2- inclusive of the following: Encoder with 5M encoder cable with veo connector, Toolposts: 2off toolposts with 30x30mm yokes
PX-MULTIMAG-4-VEO	Multi Mag 4- inclusive of the following Encoder with 5M encoder cable with veo connector, Toolposts: 4off toolposts with 30x30mm yokes

Accessories for Multi Mag scanner

PX-MU-LPTP	Low profile toolpost for Multi Mag with 30 x 30 forks
PX-MU-PATP	Phased array toolpost for Multi Mag with stainless steel forks, 90 degree bracket and wedge cradle. Wedge information must be supplied.
PX-MU-TRTPA	Transverse toolpost adapter for Multi Mag (toolpost not included)
PX-MU-LASER	Laser Guide for Multi-Mag scanner
PX-MU-SPARES	Spares Kit, (Contents to be defined)

Probes for Phoenix Scanners (Mini Magman/Magman/Multi Mag ranges)



Pulse-Echo
10mm crystal
Lemo 00 connector
Integrated wedge with couplant irrigation.
Designed to fit in standard 30 x 30 mounting

PX-ASSW2/45	2 MHz, 45 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated
PX-ASSW2/60	2 MHz, 60 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated
PX-ASSW2/70	2 MHz, 70 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated
PX-ASSW4/45	4 MHz, 45 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated
PX-ASSW4/60	4 MHz, 60 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated
PX-ASSW4/70	4 MHz, 70 degree shear wave probe, 10mm crystal, 30x30mm case, to fit multipurpose scanner, Lemo 00 connector, couplant irrigated

TOFD Transducers

Always use as identical pairs

Piezo composite transducers offer higher output and better resolution.

PX-DTOF02/04	2MHz 12mm TOFD transducer, M20 thread Lemo 00
PX-DTOF05/02	5MHz 6mm TOFD transducer, M12 thread Lemo 00
PX-DTOF10/02	10MHz 6mm TOFD transducer, M12 thread Lemo 00
PX-DTOF15/01	15MHz 3mm TOFD transducer, M12 thread Lemo 00
PX-CDTOF02/04	2MHz 12mm piezocomposite TOFD transducer, M20 thread Lemo 00
PX-CDTOF05/02	5MHz 6mm piezocomposite TOFD transducer, M12 thread Lemo 00
PX-CDTOF10/02	10MHz 6mm piezocomposite TOFD transducer, M12 thread Lemo 00
PX-CDTOF15/01	15MHz 3mm piezocomposite TOFD transducer, M12 thread Lemo 00

TOFD Wedges

30 mm wedges fit calliper or multipurpose scanners. For use in pairs.

PX-WTOFI 12/45	TOFD Wedge(Plastic) 45 Degree, M12, 30 mm body, couplant irrigation
PX-WTOFI 12/60	TOFD Wedge(Plastic) 60 Degree, M12, 30 mm body, couplant irrigation
PX-WTOFI 12/70	TOFD Wedge(Plastic) 45 Degree, M12, 30 mm body, couplant irrigation
PX-WTOFI 20/45	TOFD Wedge(Plastic) 45 Degree, M20, 30 mm body, couplant irrigation
PX-WTOFI 20/60	TOFD Wedge(Plastic) 60 Degree, M20, 30 mm body, couplant irrigation
PX-WTOFI 20/70	TOFD Wedge(Plastic) 45 Degree, M20, 30 mm body, couplant irrigation
PX-WREN12/45	TOFD Wedges (Brass) 45 degree M12, to fit WREN scanner, irrigated.
PX-WREN12/60	TOFD Wedges (Brass) 60 degree M12, to fit WREN scanner, irrigated.
PX-WREN12/70	TOFD Wedges (Brass) 70 degree M12, to fit WREN scanner, irrigated.

Please note, larger TOFD and pulse-echo probes are available on special order - please contact sales office for details.

Phased Array Probes / Wedges for Phoenix Scanners

Please contact sales office for details.

Atlantis Systems

Please note that all Atlantis Products are handled through the Madrid sales office. Please contact your local Sonatest distributor or the Madrid office for current product information.

Autoscan 2500 and 3500 - *Nodularity control systems*

The Autoscan systems consist of:

- A specially modified flaw detector, with built-in software to enable estimation of cast-iron nodularity by measurement of ultrasonic velocity.
- Suitable dry-contact transducer.
- Spare transducer membranes
- Cable
- Mains power unit (battery not included)

When not in use for nodularity inspection, the instruments can be used as general purpose flaw detectors; for this purpose they are functionally identical to the Sonatest 250S SiteScan and 350M MasterScan models respectively.

The Autoscan 2500 operates in single probe mode, with calculation of velocity from measured dimensions. The 3500 can also operate in through transmission mode using a water bath.

Autoscan 2500 System	Autoscan 2500 Mains Powered Ultrasonic Flaw Detector, CAST5 5MHz, ¼" Transducer with collar for membrane mounting, Set of 10 spare membranes, Cable, Operating Manual.
Autoscan 3500 system	Autoscan 3500 Mains Powered Ultrasonic Flaw Detector, CAST5 5MHz, ¼" Transducer with collar for membrane mounting, Set of 10 spare membranes, Cable, Operating Manual.

Autoscan 8000 Multipurpose System

Autoscan 8000 System	Autoscan 8000 system, comprising ruggedized Laptop PC with External expansion Chassis containing 8-channel Ultrasonic Board. Each Channel can be configured for Flaw Detection or Nodularity measurement.

Autoscan Spares and Accessories

Light Alarm
Stand-up, mains powered, Green-Red
Including cable to Autoscan POP output socket.
CAST 5 probe
5 MHz, 0.25" specific probe. Microdot connector

PCM - Probe collar
For rubber delays - membranes

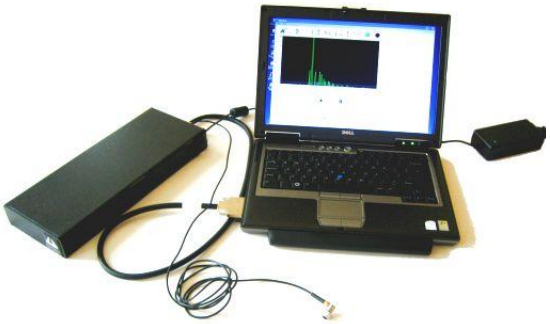
PCB10 or PCB12 - Probe collar
For rubber delays – specify: 10 or 12 mm balls

Bag of 10 rubber delays
Specify: 10 or 12 mm balls or membranes

Probe holder for manual tests For CAST5 probe

Li Ion battery pack plus CH700 charger

Hercules Spot Weld Inspection System



HERCULES is a manual ultrasonic evaluation system for spot welds, combining the power of a high performance ultrasonic electronics with the most advanced and accurate signal selection and evaluation algorithms.

HERCULES operates with durable, easily interchangeable dry coupling ultrasonic probes.

Up to 100 A-scans are captured and evaluated per second and 6000 A-scans can be recorded per spot weld when the optimal probe coupling / orientation condition is matched for a fraction of a second, the system can automatically select the suitable A-scan for evaluation

HERCULES performs a quantitative evaluation which is independent of the gain and actual coupling conditions. Spot welds are consistently classified in different groups according to user defined acceptance thresholds

HERCULES SYSTEM Including:
Laptop (incl. MSW Operating system) Ultrasonic board
Expansion box Comm cable (laptop to expansion box) Charger (125-240V)
Operating manual, Hercules application software
W10 transducer: 10MHz, 6.35 mm Probe collar for 10 mm rubber delay balls
Bag of 10 rubber delay balls,
Cable (SMB-Microdot)

W10 transducer
10 MHz, 6.35 mm probe (w/o collar)

W15 transducer
15 MHz, 6.35 mm probe (w/o collar)

PCB10 - Probe collar
For 10 mm rubber delay balls

Bag of 10 rubber delays
For W probes including collar for 10 mm rubber delay balls

On site specific training: HERCULES system
Two complete days at customer's facilities. System operation, setup, and introduction to spot weld evaluation.
Excludes travel costs and other expenses
Note: specific training DOES NOT include principles of ultrasonic testing... and a basic knowledge of ultrasonics is required for the attendees.

Cyclops Robotics Spot Weld Inspection system

Unique automatic system for in line ultrasonic inspection and evaluation of spot welds with dry coupling and position control with artificial vision.

The system software allows the acquisition and evaluation of more than 100 ultrasonic signals per second, automatically selecting the most suitable one and performing quantitative measurements. The evaluation software is the same as the HERCULES manual inspection system. The system can control up to four robots for independent tests within the same cell and, by using an artificial vision guided system, allows a quick evaluation of spot welds following a programmed sequence for each component and the series of those through the production line.

Test results, as per user defined values and criteria, can trigger two alarm thresholds and are downloaded in real time into a relational data base for statistical control and welding process' parameter adjustment.

All Cyclops systems are specially quoted. Please contact sales office.

Ultrasonic Transducers – Contact Type

Single Compression Transducers

SLH

High-damped, high resolution transducer, with a ceramic face and steel wear ring for regular use.

LLF (Large Low Frequency)

High output, low frequency transducer, for use with a replaceable membrane

SLG

High-damped, low noise transducer, with a ceramic face, steel wear ring and comfortable plastic housing for extended use.

SLM

Medium-damped, general purpose transducer, with a ceramic face and steel wear ring for regular use.

SLP

High-damped, low profile transducer, for use where larger transducers are unsuitable. Ceramic face for good wear characteristics.

FC (Fingertip contact)

A transducer designed for ease of use in confined spaces, with hexagonal housing and a ceramic face.
“G” range –High Sensitivity
“R” range – High Resolution

SLF

Medium-damped transducer with a softer face, for use with a replaceable membrane or delay line.

SLC

Low-damped, high output transducer, for use where penetration is more important than resolution. Ceramic face for good wear characteristics.

See also: Sirius range transducers (Page 74)

Platinum range (Piezo composite crystal) variants are available for (P)SLF and (P)SLM

SLH series

SLH1-25B	1 MHz, 25mm High Damped Ceramic face transducer, BNC Connector
SLH1-25L	1 MHz, 25mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH2-10D	2 MHz, 10mm High Damped Ceramic face transducer, Microdot Connector
SLH2-10S	2 MHz, 10mm High Damped Ceramic face transducer, Subvis Connector
SLH2-10Z	2 MHz, 10mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH2-15D	2 MHz, 15mm High Damped Ceramic face transducer, Microdot Connector
SLH2-15S	2 MHz, 15mm High Damped Ceramic face transducer, Subvis Connector
SLH2-15Z	2 MHz, 15mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH2-20B	2 MHz, 20mm High Damped Ceramic face transducer, BNC Connector
SLH2-20L	2 MHz, 20mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH2-20Z	2 MHz, 20mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH2-25B	2 MHz, 25mm High Damped Ceramic face transducer, BNC Connector
SLH2-25L	2 MHz, 25mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH4-10S	4 MHz, 10mm High Damped Ceramic face transducer, Subvis Connector
SLH4-10Z	4 MHz, 10mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH4-25L	4 MHz, 25mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH4-25Z	4 MHz, 25mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH5-10D	5 MHz, 10mm High Damped Ceramic face transducer, Microdot Connector
SLH5-10S	5 MHz, 10mm High Damped Ceramic face transducer, Subvis Connector
SLH5-10Z	5 MHz, 10mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH5-15D	5 MHz, 15mm High Damped Ceramic face transducer, Microdot Connector
SLH5-15S	5 MHz, 15mm High Damped Ceramic face transducer, Subvis Connector
SLH5-15Z	5 MHz, 15mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH5-20B	5 MHz, 20mm High Damped Ceramic face transducer, BNC Connector
SLH5-20L	5 MHz, 20mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH5-25B	5 MHz, 25mm High Damped Ceramic face transducer, BNC Connector
SLH5-25L	5 MHz, 25mm High Damped Ceramic face transducer, Lemo 1 Connector
SLH10-5S	10 MHz, 5mm High Damped Ceramic face transducer, Subvis Connector
SLH10-5Z	10 MHz, 5mm High Damped Ceramic face transducer, Lemo 00 Connector
SLH10-10D	10 MHz, 10mm High Damped Ceramic face transducer, Microdot Connector
SLH10-10S	10 MHz, 10mm High Damped Ceramic face transducer, Subvis Connector
SLH10-10Z	10 MHz, 10mm High Damped Ceramic face transducer, Lemo 00 Connector

SLM

Please note that this series includes both inch and metric probes.

SLM501B	1 MHz ½" Medium Damped Ceramic face transducer, BNC Connector
SLM501L	1 MHz ½" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM751B	1 MHz ¾" Medium Damped Ceramic face transducer, BNC Connector
SLM751L	1 MHz ¾" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM101B	1 MHz 1" Medium Damped Ceramic face transducer, BNC Connector
SLM101L	1 MHz 1" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM1-25B	1 MHz 25mm Medium Damped Ceramic face transducer, BNC Connector
SLM1-25L	1 MHz 25mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM1-25Z	1 MHz 25mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM2-10D	2.25 MHz 10mm Medium Damped Ceramic face transducer, Microdot Connector
SLM2-10S	2.25 MHz 10mm Medium Damped Ceramic face transducer, Subvis Connector
SLM2-10Z	2.25 MHz 10mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM5025B	2.25 MHz ½" Medium Damped Ceramic face transducer, BNC Connector
SLM5025L	2.25 MHz ½" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM2-15D	2.25 MHz 15mm Medium Damped Ceramic face transducer, Microdot Connector
SLM2-15S	2.25 MHz 15mm Medium Damped Ceramic face transducer, Subvis Connector
SLM2-15Z	2.25 MHz 15mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM7525B	2.25 MHz ¾" Medium Damped Ceramic face transducer, BNC Connector
SLM7525L	2.25 MHz ¾" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM2-20B	2.25 MHz 20mm Medium Damped Ceramic face transducer, BNC Connector
SLM2-20L	2.25 MHz 20mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM2-20Z	2.25 MHz 20mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM2-25B	2.25 MHz 25mm Medium Damped Ceramic face transducer, BNC Connector
SLM2-25L	2.25 MHz 25mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM2-25Z	2.25 MHz 25mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM1025B	2.25 MHz 1" Medium Damped Ceramic face transducer, BNC Connector
SLM1025L	2.25 MHz 1" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM4-10S	4 MHz 10mm Medium Damped Ceramic face transducer, Subvis Connector
SLM4-10Z	4 MHz 10mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM4-15S	4 MHz 15mm Medium Damped Ceramic face transducer, Subvis Connector
SLM4-25L	4 MHz 25mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM4-25Z	4 MHz 25mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM5-10D	5 MHz 10mm Medium Damped Ceramic face transducer, Microdot Connector
SLM5-10S	5 MHz 10mm Medium Damped Ceramic face transducer, Subvis Connector
SLM5-10Z	5 MHz 10mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM5-15D	5 MHz 15mm Medium Damped Ceramic face transducer, Microdot Connector
SLM5-15S	5 MHz 15mm Medium Damped Ceramic face transducer, Subvis Connector
SLM5-15Z	5 MHz 15mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM7550B	5 MHz ¾" Medium Damped Ceramic face transducer, BNC Connector

SLM7550L	5 MHz ¾" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM5-20B	5 MHz 20mm Medium Damped Ceramic face transducer, BNC Connector
SLM5-20L	5 MHz 20mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM5-20Z	5 MHz 20mm Medium Damped Ceramic face transducer, Lemo 00 Connector
SLM5-25B	5 MHz 25mm Medium Damped Ceramic face transducer, BNC Connector
SLM5-25L	5 MHz 25mm Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM1050B	5 MHz 1" Medium Damped Ceramic face transducer, BNC Connector
SLM1050L	5 MHz 1" Medium Damped Ceramic face transducer, Lemo 1 Connector
SLM10-10D	10 MHz 10mm Medium Damped Ceramic face transducer, Microdot Connector
SLM10-10S	10 MHz 10mm Medium Damped Ceramic face transducer, Subvis Connector

PSLM Composite Range

PSLM501	1 MHz ½" Piezocomposite Ceramic face transducer, BNC Connector
PSLM751	1 MHz ¾" Piezocomposite Ceramic face transducer, BNC Connector
PSLM101L	1 MHz1" Piezocomposite Ceramic face transducer, BNC Connector
PSLM5025	2.25 MHz ½" Piezocomposite Ceramic face transducer, BNC Connector
PSLM7525	2.25 MHz ¾" Piezocomposite Ceramic face transducer, BNC Connector
PSLM1025L	2.25 MHz1" Piezocomposite Ceramic face transducer, Lemo 1 Connector
PSLM104	4 MHz 1" Piezocomposite Ceramic face transducer, BNC Connector
PSLM4-25Z	4 MHz 25mm Piezocomposite Ceramic face transducer, Lemo 00 Connector
PSLM5050	5 MHz ½" Piezocomposite Ceramic face transducer, BNC Connector
PSLM1050L	5 MHz1" Piezocomposite Ceramic face transducer, Lemo 1 Connector

SLF

SLF1-10Z	1 MHz10mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF501	1 MHz ½" Medium Damped Repl. Membrane transducer, BNC Conn.
SLF1-25B	1 MHz 1" Medium Damped Repl. Membrane transducer, BNC Conn.
SLF1-25L	1 MHz 1" Medium Damped Repl. Membrane transducer, Lemo 1 Conn.
SLF1-25S	1 MHz 1" Medium Damped Repl. Membrane transducer, Subvis Conn.
SLF1-25Z	1 MHz 1" Medium Damped Repl. Membrane transducer, Lemo 00 Conn.
SLF2-10D	2 MHz10mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF2-10S	2 MHz10mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF2-10Z	2 MHz10mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF5025	2.25 MHz ½" Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF2-15D	2 MHz15mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF2-15S	2 MHz15mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF2-15Z	2 MHz15mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF2-20B	2 MHz 20mm Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF2-20D	2 MHz 20mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF2-20L	2 MHz 20mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.

SLF2-20S	2 MHz 20mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF2-20Z	2 MHz 20mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF2-25B	2 MHz 25mm Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF2-25L	2 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
SLF2-25S	2 MHz 25mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF2-25Z	2 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF1025	2 MHz 1" Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF4-10D	4 MHz 10mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF4-10S	4 MHz 10mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF4-10Z	4 MHz 10mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF4-15S	4 MHz 15mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF4-15Z	4 MHz 15mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF4-20L	4 MHz 20mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
SLF4-20S	4 MHz 20mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF4-20Z	4 MHz 20mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF4-25B	4 MHz 25mm Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF4-25L	4 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
SLF4-25Z	4 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF5-10D	5 MHz 10mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF5-10S	5 MHz 10mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF5-10Z	5 MHz 10mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF5050	5 MHz ½" Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF5-15D	5 MHz 15mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF5-15S	5 MHz 15mm Medium Damped Repl. Membrane Transducer, Subvis Conn.
SLF5-15Z	5 MHz 15mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF5-20B	5 MHz 20mm Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF5-20L	5 MHz 20mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
SLF5-25B	5 MHz 25mm Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF5-25L	5 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
SLF5-25Z	5 MHz 25mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.
SLF1050	5 MHz 1" Medium Damped Repl. Membrane Transducer, BNC Conn.
SLF10-10D	10 MHz 10mm Medium Damped Repl. Membrane Transducer, Microdot Conn.
SLF10-10Z	10 MHz 10mm Medium Damped Repl. Membrane Transducer, Lemo 00 Conn.

PSLF Composite Range

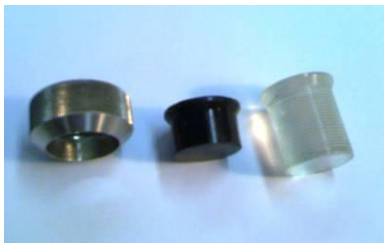
PSLF50.5	500 kHz ½" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF10.5	500 kHz 1" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF501	1 MHz ½" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF101	1 MHz 1" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF2-20	2 MHz 20mm Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF5025	2.25 MHz ½" Piezocomposite Replaceable Membrane transducer, BNC Conn.

PSLF1025	2.25 MHz 1" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF5050	5 MHz ½" Piezocomposite Replaceable Membrane transducer, BNC Conn.
PSLF1050	5 MHz 1" Piezocomposite Replaceable Membrane transducer, BNC Conn.

LLF

LLF0.5-34B	500 kHz 34mm Medium Damped Repl. Membrane Transducer, BNC Conn.
LLF0.5-34L	500 kHz 34mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
LLF1-34B	1 MHz 34mm Medium Damped Repl. Membrane Transducer, BNC Conn.
LLF1-34L	1 MHz 34mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.
LLF2-30B	2 MHz 30mm Medium Damped Repl. Membrane Transducer, BNC Conn.
LLF2-30L	2 MHz 30mm Medium Damped Repl. Membrane Transducer, Lemo 1 Conn.

Delay Lines and Replacement Membranes for SLF / PSLF/LLF / CDF Probes



Standard membranes are used with gel on rough surfaces such as castings.
Rexolite delay is for general purpose use at all frequencies.
Rubber delays are for dry coupling; the soft compound conforms better, but performs poorly above 2MHz.

FD10	10mm replacement membranes for SLF/PSLF/CDF Probes
FD15	15mm replacement membranes for SLF/PSLF/CDF Probes
FD20-25	25mm replacement membranes for SLF/PSLF/LLF/CDF Probes
FD34	34mm replacement membranes for LLF Probes
NSDSLFH1-6	Delay Line Collar for ½" PSLF Probes
NSDSLFR1	Rexolite Delay Line for ½" PSLF Probes
RUBBER PROBE 28I	Rubber Delay Line type 28I (Soft) for ½" PSLF Probes, with Clamp
RUBBER PROBE 44I	Rubber Delay Line type 44I (Firm) for ½" PSLF Probes, with Clamp
151880	Rubber Delay Line type 44I (Firm) for ½" PSLF Probes
151881	Rubber Delay Line type 28I (Soft) for ½" PSLF Probes

SLP

SLP1-20D	1 MHz 20mm High Damped Low Profile transducer, Microdot Conn.
SLP1-20S	1 MHz 20mm High Damped Low Profile transducer, Subvis Conn.
SLP1-25D	1 MHz 25mm High Damped Low Profile transducer, Microdot Conn.
SLP1-25S	1 MHz 25mm High Damped Low Profile transducer, Subvis Conn.
SLP2-10D	2 MHz 10 mm High Damped Low Profile transducer, Microdot Conn.
SLP2-10S	2 MHz 10 mm High Damped Low Profile transducer, Subvis Conn.
SLP2-15D	2 MHz 15 mm High Damped Low Profile transducer, Microdot Conn.
SLP2-15S	2 MHz 15 mm High Damped Low Profile transducer, Subvis Conn.
SLP2-20D	2 MHz 20 mm High Damped Low Profile transducer, Microdot Conn.
SLP2-20S	2 MHz 20 mm High Damped Low Profile transducer, Subvis Conn.

SLP2-25D	2 MHz 25 mm High Damped Low Profile transducer, Microdot Conn.
SLP2-25S	2 MHz 25 mm High Damped Low Profile transducer, Subvis Conn.
SLP4-10D	4 MHz 10 mm High Damped Low Profile transducer, Microdot Conn.
SLP4-15S	4 MHz 15 mm High Damped Low Profile transducer, Subvis Conn.
SLP5-5D	5 MHz 5 mm High Damped Low Profile transducer, Microdot Conn.
SLP5-5S	5 MHz 5 mm High Damped Low Profile transducer, Subvis Conn.
SLP5-10D	5 MHz 10 mm High Damped Low Profile transducer, Microdot Conn.
SLP5-10S	5 MHz 10 mm High Damped Low Profile transducer, Subvis Conn.
SLP5-10Z	5 MHz 10 mm High Damped Low Profile transducer, Lemo 00 Conn.
SLP5-15D	5 MHz 15 mm High Damped Low Profile transducer, Microdot Conn.
SLP5-15S	5 MHz 15 mm High Damped Low Profile transducer, Subvis Conn.
SLP5-20D	5 MHz 20 mm High Damped Low Profile transducer, Microdot Conn.
SLP5-20S	5 MHz 20 mm High Damped Low Profile transducer, Subvis Conn.
SLP10-5D	10 MHz 5 mm High Damped Low Profile transducer, Microdot Conn.
SLP10-5S	10 MHz 5 mm High Damped Low Profile transducer, Subvis Conn.
SLP10-10D	10 MHz 10 mm High Damped Low Profile transducer, Microdot Conn.
SLP10-10S	10 MHz 10 mm High Damped Low Profile transducer, Subvis Conn.

SLC

SLC1-20S	1 MHz 20mm Low Damped Ceramic face transducer, Subvis Connector
SLC1-20Z	1 MHz 20mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC2-10D	2 MHz 10mm Low Damped Ceramic face transducer, Microdot Connector
SLC2-10S	2 MHz 10mm Low Damped Ceramic face transducer, Subvis Connector
SLC2-10Z	2 MHz 10mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC2-15D	2 MHz 15mm Low Damped Ceramic face transducer, Microdot Connector
SLC2-15S	2 MHz 15mm Low Damped Ceramic face transducer, Subvis Connector
SLC2-15Z	2 MHz 15mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC2-20D	2 MHz 20mm Low Damped Ceramic face transducer, Microdot Connector
SLC2-20S	2 MHz 20mm Low Damped Ceramic face transducer, Subvis Connector
SLC2-20Z	2 MHz 20mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC2-25D	2 MHz 25mm Low Damped Ceramic face transducer, Microdot Connector
SLC2-25S	2 MHz 25mm Low Damped Ceramic face transducer, Subvis Connector
SLC2-25Z	2 MHz 25mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC4-10D	4 MHz 10mm Low Damped Ceramic face transducer, Microdot Connector
SLC4-10S	4 MHz 10mm Low Damped Ceramic face transducer, Subvis Connector
SLC4-10Z	4 MHz 10mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC4-15D	4 MHz 15mm Low Damped Ceramic face transducer, Microdot Connector
SLC4-15S	4 MHz 15mm Low Damped Ceramic face transducer, Subvis Connector
SLC4-15Z	4 MHz 15mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC4-20S	4 MHz 20mm Low Damped Ceramic face transducer, Subvis Connector
SLC4-20Z	4 MHz 20mm Low Damped Ceramic face transducer, Lemo 00 Connector
SLC5-10D	5 MHz 10mm Low Damped Ceramic face transducer, Microdot Connector

SLC5-10S	5 MHz 10mm Low Damped Ceramic face transducer, Subvis Connector
SLC5-10Z	5 MHz 10mm Low Damped Ceramic face transducer, Lemo 00 Connector

SLG

SLG2-10D	2 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Microdot Connector
SLG2-10S	2 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Subvis Connector
SLG2-10Z	2 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Lemo 00 Connector
SLG4-10D	4 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Microdot Connector
SLG4-10S	4 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Subvis Connector
SLG4-10Z	4 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Lemo 00 Connector
SLG5-10S	5 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Subvis Connector
SLG5-10Z	5 MHz 10mm High Damped Ceramic face Ergonomic Grip transducer, Lemo 00 Connector

FC

All types have Microdot connectors.

FCG501	1 MHz, ½" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG501T	1 MHz, ½" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR501	1 MHz, ½" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR501T	1 MHz, ½" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG751	1 MHz, ¾" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG751T	1 MHz, ¾ " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR751	1 MHz, ¾" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR751T	1 MHz, ¾ " Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG2525	2.25 MHz, ¼ " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG2525T	2.25 MHz, ¼ " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR2525	2.25 MHz, ¼ " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR2525T	2.25 MHz, ¼ " Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG3725	2.25 MHz, 3/8 " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG3725T	2.25 MHz, 3/8" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR3725	2.25 MHz, 3/8 " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR3725T	2.25 MHz, 3/8" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG5025	2.25 MHz, ½" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG5025T	2.25 MHz, ½" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR5025	2.25 MHz, ½" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR5025T	2.25 MHz, ½" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG7525	2.25 MHz, ¾" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG7525T	2.25 MHz, ¾" Fingertip Contact Transducer, High sens., top mount MD Conn.

FCR7525	2.25 MHz, ¾" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR7525T	2.25 MHz, ¾" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG1250	5 MHz, 1/8 " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG1250T	5 MHz, 1/8 " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR1250	5 MHz, 1/8 " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCSL1250	5 MHz, 1/8 " Fingertip Contact Transducer, Slim Line , side mount MD Conn.
FCG1850	5 MHz, 3/16 " Fingertip Contact Transducer, High sens., side mount MD Conn.
FC1850	5 MHz, 3/16 " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCG2550	5 MHz, ¼ " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG2550T	5 MHz, ¼ " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR2550	5 MHz, ¼ " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR2550T	5 MHz, ¼ " Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG3750	5 MHz, 3/8 " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG3750T	5 MHz, 3/8" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR3750	5 MHz, 3/8 " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR3750T	5 MHz, 3/8" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG5050	5 MHz, ½" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG5050T	5 MHz, ½" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR5050	5 MHz, ½" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR5050T	5 MHz, ½" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG7550	5 MHz, ¾" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG7550T	5 MHz, ¾" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR7550	5 MHz, ¾" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR7550T	5 MHz, ¾" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG1210T	10 MHz, 1/8 " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCG2510	10 MHz, ¼ " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG2510T	10 MHz, ¼ " Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR2510	10 MHz, ¼ " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR2510T	10 MHz, ¼ " Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG3710	10 MHz, 3/8 " Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG3710T	10 MHz, 3/8" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR3710	10 MHz, 3/8 " Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR3710T	10 MHz, 3/8" Fingertip Contact Transducer, High Res., top mount MD Conn.
FCG5010	10 MHz, ½" Fingertip Contact Transducer, High sens., side mount MD Conn.
FCG5010T	10 MHz, ½" Fingertip Contact Transducer, High sens., top mount MD Conn.
FCR5010	10 MHz, ½" Fingertip Contact Transducer, High Res., side mount MD Conn.
FCR5010T	10 MHz, ½" Fingertip Contact Transducer, High Res., top mount MD Conn.

Twin Compression Transducers

GEM

General purpose transducer with ergonomic grip case. Medium-damped.

CD

Cylindrical stainless steel case. Medium-damped.

CDF

Rugged, comfortable stainless steel housing. Protective membrane for use on rough surfaces.

D / DEI

Fingertip-type low profile probe with integral cables.

DEM

Please note that for some applications, the general range thickness transducers (page 8) may also be appropriate, as may Sirius range transducers (page 75).

GEM

10mm nominal diameter transducer (2 crystals, approx 4 x 8 mm). Medium-damped.
High Temp versions can operate at up to 400°C with 5 seconds maximum contact time.

GEM2-10S	2 MHz 10mm Dual Element Ergonomic Grip transducer, Subvis Connectors
GEM2-10Z	2 MHz 10mm Dual Element Ergonomic Grip transducer, Lemo 00 Connectors
GEM2-10HTS	2 MHz 10mm Dual Element Ergonomic Grip, High Temp. transducer, Subvis Connectors
GEM2-10HTZ	2 MHz 10mm Dual Element Ergonomic Grip, High Temp. transducer, Lemo 00 Connectors
GEM4-10D	4 MHz 10mm Dual Element Ergonomic Grip transducer, microdot Connectors
GEM4-10S	4 MHz 10mm Dual Element Ergonomic Grip transducer, Subvis Connectors
GEM4-10Z	4 MHz 10mm Dual Element Ergonomic Grip transducer, Lemo 00 Connectors
GEM5-10D	4 MHz 10mm Dual Element Ergonomic Grip transducer, microdot Connectors
GEM5-10DF	4 MHz 10mm Dual Element Ergonomic Grip transducer, close focus design, microdot Connectors
GEM5-10S	4 MHz 10mm Dual Element Ergonomic Grip transducer, Subvis Connectors
GEM5-10SF	4 MHz 10mm Dual Element Ergonomic Grip transducer, close focus design, Subvis Connectors
GEM5-10Z	4 MHz 10mm Dual Element Ergonomic Grip transducer, Lemo 00 Connectors
GEM5-10ZF	4 MHz 10mm Dual Element Ergonomic Grip transducer, close focus design, Lemo 00 Connectors
GEM5-10HTS	5 MHz 10mm Dual Element Ergonomic Grip, High Temp. transducer, Subvis Connectors
GEM5-10HTZ	5 MHz 10mm Dual Element Ergonomic Grip, High Temp. transducer, Lemo 00 Connectors

CD

CD1-15D	1 MHz 15mm Dual Element S/S Case, Microdot Connectors
CD1-15S	1 MHz 15mm Dual Element S/S Case, Subvis Connectors
CD1-15Z	1 MHz 15mm Dual Element S/S Case, Lemo 00 Connectors
CD1-20D	1 MHz 20mm Dual Element S/S Case, Microdot Connectors
CD1-20S	1 MHz 20mm Dual Element S/S Case, Subvis Connectors
CD1-20Z	1 MHz 20mm Dual Element S/S Case, Lemo 00 Connectors
CD1-25D	1 MHz 25mm Dual Element S/S Case, Microdot Connectors
CD1-25S	1 MHz 25mm Dual Element S/S Case, Subvis Connectors
CD1-25Z	1 MHz 25mm Dual Element S/S Case, Lemo 00 Connectors
CD2-10D	2 MHz 10mm Dual Element S/S Case, Microdot Connectors
CD2-10S	2 MHz 10mm Dual Element S/S Case, Subvis Connectors
CD2-10Z	2 MHz 10mm Dual Element S/S Case, Lemo 00 Connectors
CD2-15D	2 MHz 15mm Dual Element S/S Case, Microdot Connectors
CD2-15S	2 MHz 15mm Dual Element S/S Case, Subvis Connectors
CD2-15Z	2 MHz 15mm Dual Element S/S Case, Lemo 00 Connectors
CD2-20D	2 MHz 20mm Dual Element S/S Case, Microdot Connectors
CD2-20HTS	2 MHz 20mm High Temp. Dual Element S/S Case, Subvis Connectors
CD2-20S	2 MHz 20mm Dual Element S/S Case, Subvis Connectors
CD2-20Z	2 MHz 20mm Dual Element S/S Case, Lemo 00 Connectors
CD2-25D	2 MHz 25mm Dual Element S/S Case, Microdot Connectors
CD2-25S	2 MHz 25mm Dual Element S/S Case, Subvis Connectors
CD2-25Z	2 MHz 25mm Dual Element S/S Case, Lemo 00 Connectors
CD2-10HTS	2 MHz 10mm High Temp. Dual Element S/S Case, Subvis Connectors
CD2-10HTZ	2 MHz 10mm High Temp. Dual Element S/S Case, Lemo 00 Connectors
CD2-15HTD	2 MHz 15mm High Temp. Dual Element S/S Case, Microdot Connectors
CD2-15HTS	2 MHz 15mm High Temp. Dual Element S/S Case, Subvis Connectors
CD4-10S	4 MHz 10mm Dual Element S/S Case, Subvis Connectors
CD4-10Z	4 MHz 10mm Dual Element S/S Case, Lemo 00 Connectors
CD4-20S	4 MHz 20mm Dual Element S/S Case, Subvis Connectors
CD4-20Z	4 MHz 20mm Dual Element S/S Case, Lemo 00 Connectors
CD4-25Z	4 MHz 25mm Dual Element S/S Case, Lemo 00 Connectors
CD4-10HTS	4 MHz 10mm High Temp. Dual Element S/S Case, Subvis Connectors
CD4-10HTZ	4 MHz 10mm High Temp. Dual Element S/S Case, Lemo 00 Connectors
CD5-10D	5 MHz 10mm Dual Element S/S Case, Microdot Connectors
CD5-10S	5 MHz 10mm Dual Element S/S Case, Subvis Connectors
CD5-10SF	5 MHz 10mm Dual Element S/S Case, close focus design, Subvis Connectors
CD5-10Z	5 MHz 10mm Dual Element S/S Case, Lemo 00 Connectors
CD5-10ZF	5 MHz 10mm Dual Element S/S Case, close focus design, Lemo 00 Connectors
CD5-15D	5 MHz 15mm Dual Element S/S Case, Microdot Connectors
CD5-15S	5 MHz 15mm Dual Element S/S Case, Subvis Connectors
CD5-15Z	5 MHz 15mm Dual Element S/S Case, Lemo 00 Connectors
CD5-20D	5 MHz 20mm Dual Element S/S Case, Microdot Connectors

CD5-20S	5 MHz 20mm Dual Element S/S Case, Subvis Connectors
CD5-20Z	5 MHz 20mm Dual Element S/S Case, Lemo 00 Connectors
CD5-25S	5 MHz 25mm Dual Element S/S Case, Subvis Connectors
CD5-25Z	5 MHz 25mm Dual Element S/S Case, Lemo 00 Connectors
CD5-10HTD	5 MHz 10mm High Temp. Dual Element S/S Case, Microdot Connectors
CD5-10HTS	5 MHz 10mm High Temp. Dual Element S/S Case, Subvis Connectors
CD5-10HTZ	5 MHz 10mm High Temp. Dual Element S/S Case, Lemo 00 Connectors
CD5-15HTS	5 MHz 15mm High Temp. Dual Element S/S Case, Subvis Connectors
CD5-15HTZ	5 MHz 15mm High Temp. Dual Element S/S Case, Lemo 00 Connectors
CD5-20HTS	5 MHz 20mm High Temp. Dual Element S/S Case, Subvis Connectors

CDF

CDF1-25B	1 MHz 25mm Dual Element Replaceable Membrane, BNC Conn.
CDF1-25D	1 MHz 25mm Dual Element Replaceable Membrane, Microdot Conn.
CDF1-25S	1 MHz 25mm Dual Element Replaceable Membrane, Subvis Conn.
CDF1-25Z	1 MHz 25mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF2-10D	2 MHz 10mm Dual Element Replaceable Membrane, Microdot Conn.
CDF2-10S	2 MHz 10mm Dual Element Replaceable Membrane, Subvis Conn.
CDF2-10Z	2 MHz 10mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF2-15D	2 MHz 15mm Dual Element Replaceable Membrane, Microdot Conn.
CDF2-15S	2 MHz 15mm Dual Element Replaceable Membrane, Subvis Conn.
CDF2-15Z	2 MHz 15mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF2-20D	2 MHz 20mm Dual Element Replaceable Membrane, Microdot Conn.
CDF2-20S	2 MHz 20mm Dual Element Replaceable Membrane, Subvis Conn.
CDF2-20Z	2 MHz 20mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF2-25D	2 MHz 25mm Dual Element Replaceable Membrane, Microdot Conn.
CDF2-25S	2 MHz 25mm Dual Element Replaceable Membrane, Subvis Conn.
CDF2-25Z	2 MHz 25mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF4-10D	4 MHz 10mm Dual Element Replaceable Membrane, Microdot Conn.
CDF4-10S	4 MHz 10mm Dual Element Replaceable Membrane, Subvis Conn.
CDF4-10Z	4 MHz 10mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF4-15D	4 MHz 15mm Dual Element Replaceable Membrane, Microdot Conn.
CDF4-15S	4 MHz 15mm Dual Element Replaceable Membrane, Subvis Conn.
CDF4-15Z	4 MHz 15mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF4-20S	4 MHz 20mm Dual Element Replaceable Membrane, Subvis Conn.
CDF4-20Z	4 MHz 20mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF5-10D	5 MHz 10mm Dual Element Replaceable Membrane, Microdot Conn.
CDF5-10S	5 MHz 10mm Dual Element Replaceable Membrane, Subvis Conn.
CDF5-10Z	5 MHz 10mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF5-15D	5 MHz 15mm Dual Element Replaceable Membrane, Microdot Conn.
CDF5-15S	5 MHz 15mm Dual Element Replaceable Membrane, Subvis Conn.
CDF5-20D	5 MHz 15mm Dual Element Replaceable Membrane, Lemo 00 Conn.

CDF5-20S	5 MHz 20mm Dual Element Replaceable Membrane, Microdot Conn.
CDF5-20Z	5 MHz 20mm Dual Element Replaceable Membrane, Subvis Conn.
CDF5-25B	5 MHz 20mm Dual Element Replaceable Membrane, Lemo 00 Conn.
CDF5-25D	5 MHz 25mm Dual Element Replaceable Membrane, Microdot Conn.
CDF5-25S	5 MHz 25mm Dual Element Replaceable Membrane, Subvis Conn.
CDF5-25Z	5 MHz 25mm Dual Element Replaceable Membrane, Lemo 00 Conn.

D

D2-5L	2 MHz 5mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors.
D2-10B	2 MHz 10mm Dual element fingertip probe, integral cables to BNC Instrument connectors.
D2-10IL	2 MHz 10mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors. Tuning inductor[7]..
D2-10L	2 MHz 10mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors.
D2-10Z	2 MHz 10mm Dual element fingertip probe, integral cables to Lemo 00 Instrument connectors.
D5-5B	5 MHz 5mm Dual element fingertip probe, integral cables to BNC Instrument connectors.
D5-5IL	5 MHz 5mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors. Tuning inductor
D5-5L	5 MHz 5mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors.
D5-5Z	5 MHz 5mm Dual element fingertip probe, integral cables to Lemo 00 Instrument connectors.
D5-10B	5 MHz 10mm Dual element fingertip probe, integral cables to BNC Instrument connectors.
D5-10IL	5 MHz 10mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors. Tuning inductor.
D5-10L	5 MHz 10mm Dual element fingertip probe, integral cables to Lemo 1 Instrument connectors.
D5-10Z	5 MHz 10mm Dual element fingertip probe, integral cables to Lemo 00 Instrument connectors.

DEI (Dual-Element Integral Cable)

DEI251	1 MHz ¼" Dual element Probe, Integral cable to BNC instrument connectors
DEI371	1 MHz 3/8" Dual element Probe, Integral cable to BNC instrument connectors
DEI501	1 MHz ½" Dual element Probe, Integral cable to BNC instrument connectors
DEI7501	1 MHz ¾" Dual element Probe, Integral cable to BNC instrument connectors
DEI2525	2 MHz ¼" Dual element Probe, Integral cable to BNC instrument connectors
DEI3725	2 MHz 3/8" Dual element Probe, Integral cable to BNC instrument connectors
DEI5025	2 MHz ½" Dual element Probe, Integral cable to BNC instrument connectors
DEI7525	2 MHz ¾" Dual element Probe, Integral cable to BNC instrument connectors
DEI2550	5 MHz ¼" Dual element Probe, Integral cable to BNC instrument connectors
DEI3750	5 MHz 3/8" Dual element Probe, Integral cable to BNC instrument connectors
DEI5050	5 MHz ½" Dual element Probe, Integral cable to BNC instrument connectors
DEI7550	5 MHz ¾" Dual element Probe, Integral cable to BNC instrument connectors

[7] Tuning Inductors are fitted to some dual element transducers to optimize the wave shape when used on Flaw Detectors.

DEI2510	10 MHz ¼" Dual element Probe, Integral cable to BNC instrument connectors
DEI2510L	10 MHz ¼" Dual element Probe, Integral cable to Lemo 1 instrument connectors
DEI2510LE	10 MHz ¼" Dual element Probe, Extended Delay Line, Integral cable to Lemo 1 instrument connectors
DEI3710	10 MHz 3/8" Dual element Probe, Integral cable to BNC instrument connectors
DEI5010	10 MHz ½" Dual element Probe, Integral cable to BNC instrument connectors
DEI2515	15 MHz ¼" Dual element Probe, Integral cable to BNC instrument connectors

DEM (Dual-Element Microdot)

DEM251	1 MHz ¼" Dual element Probe, Side mount microdot connectors
DEM371	1 MHz 3/8" Dual element Probe, Side mount microdot connectors
DEM501	1 MHz ½" Dual element Probe, Side mount microdot connectors
DEM7501	1 MHz ¾" Dual element Probe, Side mount microdot connectors
DEM751T	1 MHz ¾" Dual element Probe, Top mount microdot connectors
DEM2525	2 MHz ¼" Dual element Probe, Side mount microdot connectors
DEM3725	2 MHz 3/8" Dual element Probe, Side mount microdot connectors
DEM5025	2 MHz ½" Dual element Probe, Side mount microdot connectors
DEM7525	2 MHz ¾" Dual element Probe, Side mount microdot connectors
DEM2550	5 MHz ¼" Dual element Probe, Side mount microdot connectors
DEM3750	5 MHz 3/8" Dual element Probe, Side mount microdot connectors
DEM5050	5 MHz ½" Dual element Probe, Side mount microdot connectors
DEM7550	5 MHz ¾" Dual element Probe, Side mount microdot connectors
DEM2510	10 MHz ¼" Dual element Probe, Side mount microdot connectors
DEM3710	10 MHz 3/8" Dual element Probe, Side mount microdot connectors
DEM5010	10 MHz ½" Dual element Probe, Side mount microdot connectors

PDEI /PDEM

PDEI2550T	5 MHz ¼" Dual element Probe, composite Crystal, Top mount microdot connectors
PDEI3750	5 MHz 3/8" Dual element Probe, composite Crystal, Side mount microdot connectors
PDEM251	1 MHz ¼" Dual element Probe, composite Crystal, Side mount microdot connectors
PDEM5025T	2 MHz ½" Dual element Probe, composite Crystal, Top mount microdot connectors
PDEM3750T	5 MHz 3/8" Dual element Probe, composite Crystal, Top mount microdot connectors
PDEM2510	10 MHz ¼" Dual element Probe, composite Crystal, Side mount microdot connectors

Angle Beam Transducers

SA

Medium-damped, low cost, general purpose probe. Replaceable wear plate.

LSA

Medium-damped, high penetration large crystal probe. Replaceable wear plate.

CDA

Medium-damped dual-element probe. Longitudinal-wave versions available.

Orion

High specification probe, with circular crystal to minimise side lobe effects.

SAO

High quality square crystal probe, ergonomic housing.

SS

Rectangular transducers, for use with separate wedges. Particularly suitable for AWS code-compliant inspection.

MS

Miniature transducer for use with separate wedges.

QC (Quick Change)

Screw-in transducer for use with separate wedges.

MAP/ MMAP

Smallest possible size for access in confined areas, and when testing thin sections.

SA

Please note that listed frequencies are nominal before damping; actual frequency of 2/2.5MHz transducers is approximately 2.3 MHz, 5MHz transducers are approx 4.3 MHz

High Temperature versions available.
2MHz transducers use a 10 x 10mm Crystal, while 5MHz models use an 8 x 10mm Crystal.

SA1-45ST	1 MHz, 45 Degree angle probe, Top mount Subvis connector
SA1-45ZT	1 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
SA1-90ST	1 MHz, surface shear wave probe, Top mount Subvis connector

SA1-90ZR	1 MHz, surface shear wave probe, Rear mount Lemo 00 connector
SA2-35DR	2 MHz, 35 Degree angle probe, Rear mount microdot connector
SA2-35DT	2 MHz, 35 Degree angle probe, Top mount microdot connector
SA2-35SR	2 MHz, 35 Degree angle probe, Rear mount Subvis connector
SA2-35ST	2 MHz, 35 Degree angle probe, Top mount Subvis connector
SA2-35ZR	2 MHz, 35 Degree angle probe, Rear mount Lemo 00 connector
SA2-35ZT	2 MHz, 35 Degree angle probe, Top mount Lemo 00 connector
SA2-38DR	2 MHz, 38 Degree angle probe, Rear mount microdot connector
SA2-38DT	2 MHz, 38 Degree angle probe, Top mount microdot connector
SA2-38SR	2 MHz, 38 Degree angle probe, Rear mount Subvis connector
SA2-38ST	2 MHz, 38 Degree angle probe, Top mount Subvis connector
SA2-38ZT	2 MHz, 38 Degree angle probe, Top mount Lemo 00 connector
SA2-40DR	2 MHz, 40 Degree angle probe, Rear mount microdot connector
SA2-40DT	2 MHz, 40 Degree angle probe, Top mount microdot connector
SA2-40SR	2 MHz, 40 Degree angle probe, Rear mount Subvis connector
SA2-40ST	2 MHz, 40 Degree angle probe, Top mount Subvis connector
SA2-40ZT	2 MHz, 40 Degree angle probe, Top mount Lemo 00 connector
SA2-45DR	2 MHz, 45 Degree angle probe, Rear mount microdot connector
SA2-45DT	2 MHz, 45 Degree angle probe, Top mount microdot connector
SA2-45SR	2 MHz, 45 Degree angle probe, Rear mount Subvis connector
SA2-45ST	2 MHz, 45 Degree angle probe, Top mount Subvis connector
SA2-45ZR	2 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
SA2-45ZT	2 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
SA2-50ST	2 MHz, 50 Degree angle probe, Top mount Subvis connector
SA2-50ZT	2 MHz, 50 Degree angle probe, Top mount Lemo 00 connector
SA2-55SR	2 MHz, 55 Degree angle probe, Rear mount Subvis connector
SA2-60DR	2 MHz, 60 Degree angle probe, Rear mount microdot connector
SA2-60DT	2 MHz, 60 Degree angle probe, Top mount microdot connector
SA2-60SR	2 MHz, 60 Degree angle probe, Rear mount Subvis connector
SA2-60ST	2 MHz, 60 Degree angle probe, Top mount Subvis connector
SA2-60ZR	2 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
SA2-60ZT	2 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
SA2-65ST	2 MHz, 65 Degree angle probe, Top mount Subvis connector
SA2-70DR	2 MHz, 70 Degree angle probe, Rear mount microdot connector
SA2-70DT	2 MHz, 70 Degree angle probe, Top mount microdot connector
SA2-70SR	2 MHz, 70 Degree angle probe, Rear mount Subvis connector
SA2-70ST	2 MHz, 70 Degree angle probe, Top mount Subvis connector
SA2-70ZR	2 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
SA2-70ZT	2 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
SA2-80ST	2 MHz, 80 Degree angle probe, Top mount Subvis connector
SA2-80ZT	2 MHz, 80 Degree angle probe, Top mount Lemo 00 connector
SA2-90DR	2 MHz, surface shear wave probe, Rear mount microdot connector
SA2-90DT	2 MHz, surface shear wave probe, Top mount microdot connector

SA2-90SR	2 MHz, surface shear wave probe, Rear mount Subvis connector
SA2-90ST	2 MHz, surface shear wave probe, Top mount Subvis connector
SA2-90ZR	2 MHz, surface shear wave probe, Rear mount Lemo 00 connector
SA2-90ZT	2 MHz, surface shear wave probe, Top mount Lemo 00 connector
SA5-35DR	5 MHz, 35 Degree angle probe, Rear mount microdot connector
SA5-35DT	5 MHz, 35 Degree angle probe, Top mount microdot connector
SA5-35SR	5 MHz, 35 Degree angle probe, Rear mount Subvis connector
SA5-35ST	5 MHz, 35 Degree angle probe, Top mount Subvis connector
SA5-38DR	5 MHz, 38 Degree angle probe, Rear mount microdot connector
SA5-38DT	5 MHz, 38 Degree angle probe, Top mount microdot connector
SA5-38SR	5 MHz, 35 Degree angle probe, Rear mount Subvis connector
SA5-38ST	5 MHz, 38 Degree angle probe, Top mount Subvis connector
SA5-38ZR	5 MHz, 38 Degree angle probe, Rear mount Lemo 00 connector
SA5-40DR	5 MHz, 40 Degree angle probe, Rear mount microdot connector
SA5-40DT	5 MHz, 40 Degree angle probe, Top mount microdot connector
SA5-40SR	5 MHz, 40 Degree angle probe, Rear mount Subvis connector
SA5-40ST	5 MHz, 40 Degree angle probe, Top mount Subvis connector
SA5-45DR	5 MHz, 45 Degree angle probe, Rear mount microdot connector
SA5-45DT	5 MHz, 45 Degree angle probe, Top mount microdot connector
SA5-45SR	5 MHz, 45 Degree angle probe, Rear mount Subvis connector
SA5-45ST	5 MHz, 45 Degree angle probe, Top mount Subvis connector
SA5-45ZR	5 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
SA5-45ZT	5 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
SA5-55SR	5 MHz, 55 Degree angle probe, Rear mount Subvis connector
SA5-55ST	5 MHz, 55 Degree angle probe, Top mount Subvis connector
SA5-60DR	5 MHz, 60 Degree angle probe, Rear mount microdot connector
SA5-60DT	5 MHz, 60 Degree angle probe, Top mount microdot connector
SA5-60SR	5 MHz, 60 Degree angle probe, Rear mount Subvis connector
SA5-60ST	5 MHz, 60 Degree angle probe, Top mount Subvis connector
SA5-60ZR	5 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
SA5-60ZT	5 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
SA5-70DR	5 MHz, 70 Degree angle probe, Rear mount microdot connector
SA5-70DT	5 MHz, 70 Degree angle probe, Top mount microdot connector
SA5-70SR	5 MHz, 70 Degree angle probe, Rear mount Subvis connector
SA5-70ST	5 MHz, 70 Degree angle probe, Top mount Subvis connector
SA5-70ZR	5 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
SA5-70ZT	5 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
SA5-80DT	5 MHz, 80 Degree angle probe, Rear mount microdot connector
SA5-80ST	5 MHz, 80 Degree angle probe, Top mount Subvis connector
SA5-80ZT	5 MHz, 80 Degree angle probe, Top mount Lemo 00 connector
SA5-90DT	5 MHz, surface shear wave probe, Top mount microdot connector
SA5-90ST	5 MHz, surface shear wave probe, Top mount Subvis connector
SA5-90ZR	5 MHz, surface shear wave probe, Rear mount Lemo 00 connector

SA5-90ZT	5 MHz, surface shear wave probe, Top mount Lemo 00 connector
SASK 10/1	Replacement shows for SA series transducers (pack of 10 with adhesive)

HSA1-45ZT	1 MHz, 45 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA1-60ZT	1 MHz, 60 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA2-45ST	2 MHz, 45 Degree High Temp. angle probe, Top mount Subvis connector
HSA2-45ZT	2 MHz, 45 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA2-60ST	2 MHz, 60 Degree High Temp. angle probe, Top mount Subvis connector
HSA2-60ZR	2 MHz, 60 Degree High Temp. angle probe, Rear mount Lemo 00 connector
HSA2-60ZT	2 MHz, 60 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA2-70ST	2 MHz, 70 Degree High Temp. angle probe, Top mount Subvis connector
HSA2-70ZT	2 MHz, 70 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA4-45ST	4 MHz, 45 Degree High Temp. angle probe, Top mount Subvis connector
HSA4-45ZR	4 MHz, 45 Degree High Temp. angle probe, Rear mount Lemo 00 connector
HSA4-45ZT	4 MHz, 45 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA4-60ST	4 MHz, 60 Degree High Temp. angle probe, Top mount Subvis connector
HSA4-60ZR	4 MHz, 60 Degree High Temp. angle probe, Rear mount Lemo 00 connector
HSA4-60ZT	4 MHz, 60 Degree High Temp. angle probe, Top mount Lemo 00 connector
HSA4-70ST	4 MHz, 70 Degree High Temp. angle probe, Top mount Subvis connector
HSA4-70ZR	4 MHz, 70 Degree High Temp. angle probe, Rear mount Lemo 00 connector
HSA4-70ZT	4 MHz, 70 Degree High Temp. angle probe, Top mount Lemo 00 connector

LSA

Element size 20 x 20 mm; replacement shoes are available.

LSA1-35ZR	1 MHz, 35 Degree Large angle probe, Rear mount Lemo 00 connector
LSA1-45SR	1 MHz, 35 Degree Large angle probe, Rear mount Subvis connector
LSA1-45ZR	1 MHz, 45 Degree Large angle probe, Rear mount Lemo 00 connector
LSA1-45ZT	1 MHz, 45 Degree Large angle probe, Top mount Lemo 00 connector
LSA1-60ZR	1 MHz, 60 Degree Large angle probe, Rear mount Lemo 00 connector
LSA1-60ZT	1 MHz, 60 Degree Large angle probe, Top mount Lemo 00 connector
LSA1-70ZR	1 MHz, 70 Degree Large angle probe, Rear mount Lemo 00 connector
LSA1-70ZT	1 MHz, 70 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-35DT	2 MHz, 35 Degree Large angle probe, Top mount microdot connector
LSA2-35SR	2 MHz, 35 Degree Large angle probe, Rear mount Subvis connector
LSA2-35ZR	2 MHz, 35 Degree Large angle probe, Rear mount Lemo 00 connector
LSA2-35ZT	2 MHz, 35 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-38ST	2 MHz, 38 Degree Large angle probe, Top mount Subvis connector
LSA2-38ZR	2 MHz, 38 Degree Large angle probe, Rear mount Lemo 00 connector
LSA2-38ZT	2 MHz, 38 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-40SR	2 MHz, 40 Degree Large angle probe, Rear mount Subvis connector
LSA2-40ST	2 MHz, 40 Degree Large angle probe, Top mount Subvis connector

LSA2-45DT	2 MHz, 45 Degree Large angle probe, Top mount microdot connector
LSA2-45SR	2 MHz, 45 Degree Large angle probe, Rear mount Subvis connector
LSA2-45ST	2 MHz, 45 Degree Large angle probe, Top mount Subvis connector
LSA2-45ZR	2 MHz, 45 Degree Large angle probe, Rear mount Lemo 00 connector
LSA2-45ZT	2 MHz, 45 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-60DT	2 MHz, 60 Degree Large angle probe, Top mount microdot connector
LSA2-60SR	2 MHz, 60 Degree Large angle probe, Rear mount Subvis connector
LSA2-60ST	2 MHz, 60 Degree Large angle probe, Top mount Subvis connector
LSA2-60ZR	2 MHz, 60 Degree Large angle probe, Rear mount Lemo 00 connector
LSA2-60ZT	2 MHz, 60 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-70DT	2 MHz, 70 Degree Large angle probe, Top mount microdot connector
LSA2-70SR	2 MHz, 70 Degree Large angle probe, Rear mount Subvis connector
LSA2-70ST	2 MHz, 70 Degree Large angle probe, Top mount Subvis connector
LSA2-70ZR	2 MHz, 70 Degree Large angle probe, Rear mount Lemo 00 connector
LSA2-70ZT	2 MHz, 70 Degree Large angle probe, Top mount Lemo 00 connector
LSA2-90ST	2 MHz, surface shear wave probe, Top mount Subvis connector
LSA2-90ZT	2 MHz, surface shear wave probe, Top mount Lemo 00 connector
LSA4-35ZR	4 MHz, 35 Degree Large angle probe, Rear mount Lemo 00 connector
LSA4-35ZT	4 MHz, 35 Degree Large angle probe, Top mount Lemo 00 connector
LSA4-45SR	4 MHz, 45 Degree Large angle probe, Rear mount Subvis connector
LSA4-45ST	4 MHz, 45 Degree Large angle probe, Top mount Subvis connector
LSA4-45ZR	4 MHz, 45 Degree Large angle probe, Rear mount Lemo 00 connector
LSA4-45ZT	4 MHz, 45 Degree Large angle probe, Top mount Lemo 00 connector
LSA4-60SR	4 MHz, 60 Degree Large angle probe, Rear mount Subvis connector
LSA4-60ST	4 MHz, 60 Degree Large angle probe, Top mount Subvis connector
LSA4-60ZR	4 MHz, 60 Degree Large angle probe, Rear mount Lemo 00 connector
LSA4-60ZT	4 MHz, 60 Degree Large angle probe, Top mount Lemo 00 connector
LSA4-70SR	4 MHz, 70 Degree Large angle probe, Rear mount Subvis connector
LSA4-70ST	4 MHz, 70 Degree Large angle probe, Top mount Subvis connector
LSA4-70ZR	4 MHz, 70 Degree Large angle probe, Rear mount Lemo 00 connector
LSA4-70ZT	4 MHz, 70 Degree Large angle probe, Top mount Lemo 00 connector
LSA4-90SR	4 MHz, surface shear wave probe, Rear mount Subvis connector
SASK 20/1	Replacement shoes for LSA series transducers (pack of 10 with adhesive)

CDA

CDA2-38ST	2 MHz, 38 Degree Dual element angle probe, Top mount Subvis connector
CDA2-45DR	2 MHz, 45 Degree Dual element angle probe, Rear mount microdot connector
CDA2-45DT	2 MHz, 45 Degree Dual element angle probe, Top mount microdot connector
CDA2-45SR	2 MHz, 45 Degree Dual element angle probe, Rear mount Subvis connector
CDA2-45ST	2 MHz, 45 Degree Dual element angle probe, Top mount Subvis connector
CDA2-45ZT	2 MHz, 45 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA2-60DR	2 MHz, 60 Degree Dual element angle probe, Rear mount microdot connector
CDA2-60DT	2 MHz, 60 Degree Dual element angle probe, Top mount microdot connector
CDA2-60SR	2 MHz, 60 Degree Dual element angle probe, Rear mount Subvis connector
CDA2-60ST	2 MHz, 60 Degree Dual element angle probe, Top mount Subvis connector
CDA2-60ZT	2 MHz, 60 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA2-70DR	2 MHz, 70 Degree Dual element angle probe, Rear mount microdot connector
CDA2-70DT	2 MHz, 70 Degree Dual element angle probe, Top mount microdot connector
CDA2-70SR	2 MHz, 70 Degree Dual element angle probe, Rear mount Subvis connector
CDA2-70ST	2 MHz, 70 Degree Dual element angle probe, Top mount Subvis connector
CDA2-70ZT	2 MHz, 70 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA4-45ST	4 MHz, 45 Degree Dual element angle probe, Top mount Subvis connector
CDA4-70ST	4 MHz, 70 Degree Dual element angle probe, Top mount Subvis connector
CDA4-70ZT	4 MHz, 70 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA5-38ST	5 MHz, 38 Degree Dual element angle probe, Top mount Subvis connector
CDA5-45DR	5 MHz, 45 Degree Dual element angle probe, Rear mount microdot connector
CDA5-45DT	5 MHz, 45 Degree Dual element angle probe, Top mount microdot connector
CDA5-45SR	5 MHz, 45 Degree Dual element angle probe, Rear mount Subvis connector
CDA5-45ST	5 MHz, 45 Degree Dual element angle probe, Top mount Subvis connector
CDA5-45ZT	5 MHz, 45 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA5-50ST	5 MHz, 50 Degree Dual element angle probe, Top mount Subvis connector
CDA5-55ST	5 MHz, 55 Degree Dual element angle probe, Top mount Subvis connector
CDA5-60DR	5 MHz, 60 Degree Dual element angle probe, Rear mount microdot connector
CDA5-60DT	5 MHz, 60 Degree Dual element angle probe, Top mount microdot connector
CDA5-60SR	5 MHz, 60 Degree Dual element angle probe, Rear mount Subvis connector
CDA5-60ST	5 MHz, 60 Degree Dual element angle probe, Top mount Subvis connector
CDA5-60ZT	5 MHz, 60 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA5-70DR	5 MHz, 70 Degree Dual element angle probe, Rear mount microdot connector
CDA5-70DT	5 MHz, 70 Degree Dual element angle probe, Top mount microdot connector
CDA5-70SR	5 MHz, 70 Degree Dual element angle probe, Rear mount Subvis connector
CDA5-70ST	5 MHz, 70 Degree Dual element angle probe, Top mount Subvis connector
CDA5-70ZR	5 MHz, 70 Degree Dual element angle probe, Rear mount Lemo 00 connector
CDA5-70ZT	5 MHz, 70 Degree Dual element angle probe, Top mount Lemo 00 connector
CDA5-45HTS	5 MHz, 45 Degree High Temperature Dual element angle probe, Top mount Subvis connector

CDA5-60HTS	5 MHz, 60 Degree High Temperature Dual element angle probe, Top mount Subvis connector
CDA5-70HTS	5 MHz, 70 Degree High Temperature Dual element angle probe, Top mount Subvis connector
CDA25375-70	5 MHz, 70 degree shear wave dual element Transducer, 0.25 x 0.375 inch crystal, microdot connectors
CDA2537245RL	2 MHz, 45 degree Refracted Longitudinal wave dual element Transducer, 0.25 x 0.375 inch crystal, microdot connectors
CDA2537260RL	2 MHz, 60 degree Refracted Longitudinal wave dual element Transducer, 0.25 x 0.375 inch crystal, microdot connectors
CDA2537270RL	2 MHz, 70 degree Refracted Longitudinal wave dual element Transducer, 0.25 x 0.375 inch crystal, microdot connectors
CDA5075245RL	2 MHz, 45 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.75 inch crystal, microdot connectors
CDA5075260RL	2 MHz, 60 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.75 inch crystal, microdot connectors
CDA5075570RL	2 MHz, 70 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.75 inch crystal, microdot connectors
CDA5050545RL	5 MHz, 45 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.5 inch crystal, microdot connectors
CDA5050560RL	5 MHz, 60 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.5 inch crystal, microdot connectors
CDA5050570RL	5 MHz, 70 degree Refracted Longitudinal wave dual element Transducer, 0.5 x 0.5 inch crystal, microdot connectors
CDASK10/1	Replacement shoe kit for UK size (CDAf-aa part number) Dual element angle probes.

Orion Series - *Circular crystal shear wave probes*

ORION2-38SR	2 MHz, 38 Degree angle probe, Rear mount Subvis connector
ORION2-38ST	2 MHz, 38 Degree angle probe, Top mount Subvis connector
ORION2-38ZR	2 MHz, 38 Degree angle probe, Rear mount Lemo 00 connector
ORION2-38ZT	2 MHz, 38 Degree angle probe, Top mount Lemo 00 connector
ORION2-45DT	2 MHz, 45 Degree angle probe, Top mount microdot connector
ORION2-45SR	2 MHz, 45 Degree angle probe, Rear mount Subvis connector
ORION2-45ST	2 MHz, 45 Degree angle probe, Top mount Subvis connector
ORION2-45ZR	2 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
ORION2-45ZT	2 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
ORION2-60DT	2 MHz, 60 Degree angle probe, Top mount microdot connector
ORION2-60SR	2 MHz, 60 Degree angle probe, Rear mount Subvis connector
ORION2-60ST	2 MHz, 60 Degree angle probe, Top mount Subvis connector
ORION2-60ZR	2 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
ORION2-60ZT	2 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
ORION2-70DT	2 MHz, 70 Degree angle probe, Top mount microdot connector
ORION2-70SR	2 MHz, 70 Degree angle probe, Rear mount Subvis connector
ORION2-70ST	2 MHz, 70 Degree angle probe, Top mount Subvis connector
ORION2-70ZR	2 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
ORION2-70ZT	2 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
ORION2-80ZT	2 MHz, 80 Degree angle probe, Top mount Lemo 00 connector
ORION4-30ZT	4 MHz, 30 Degree angle probe, Top mount Lemo 00 connector
ORION4-35ZR	5 MHz, 35 Degree angle probe, Rear mount Lemo 00 connector
ORION4-38SR	4 MHz, 38 Degree angle probe, Rear mount Subvis connector

ORION4-38ST	4 MHz, 38 Degree angle probe, Top mount Subvis connector
ORION4-38ZR	4 MHz, 38 Degree angle probe, Rear mount Lemo 00 connector
ORION4-38ZT	4 MHz, 38 Degree angle probe, Top mount Lemo 00 connector
ORION4-45DT	4 MHz, 45 Degree angle probe, Top mount microdot connector
ORION4-45SR	4 MHz, 45 Degree angle probe, Rear mount Subvis connector
ORION4-45ST	4 MHz, 45 Degree angle probe, Top mount Subvis connector
ORION4-45ZR	4 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
ORION4-45ZT	4 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
ORION4-60DT	5 MHz, 60 Degree angle probe, Top mount microdot connector
ORION4-60SR	5 MHz, 60 Degree angle probe, Rear mount Subvis connector
ORION4-60ST	5 MHz, 60 Degree angle probe, Top mount Subvis connector
ORION4-60ZR	5 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
ORION4-60ZT	5 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
ORION4-70DT	5 MHz, 70 Degree angle probe, Top mount microdot connector
ORION4-70SR	5 MHz, 70 Degree angle probe, Rear mount Subvis connector
ORION4-70ST	5 MHz, 70 Degree angle probe, Top mount Subvis connector
ORION4-70ZR	5 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
ORION4-70ZT	5 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
ORION4-80ST	5 MHz, 80 Degree angle probe, Top mount Subvis connector
ORION4-80ZR	5 MHz, 80 Degree angle probe, Rear mount Lemo 00 connector
ORION4-80ZT	5 MHz, 80 Degree angle probe, Top mount Lemo 00 connector
ORION4-90ZR	5 MHz, surface shear wave probe, Rear mount Lemo 00 connector
ORION4-90ZT	5 MHz, surface shear wave probe, Top mount Lemo 00 connector

SAO

SAO1-90ZR	1 MHz, surface shear wave probe, Rear mount Lemo 00 connector
SAO2-38DR	2 MHz, 38 Degree angle probe, Rear mount microdot connector
SAO2-38DT	2 MHz, 38 Degree angle probe, Top mount microdot connector
SAO2-38SR	2 MHz, 38 Degree angle probe, Rear mount Subvis connector
SAO2-38ST	2 MHz, 38 Degree angle probe, Top mount Subvis connector
SAO2-38ZR	2 MHz, 38 Degree angle probe, Rear mount Lemo 00 connector
SAO2-38ZT	2 MHz, 38 Degree angle probe, Top mount Lemo 00 connector
SAO2-45DR	2 MHz, 45 Degree angle probe, Rear mount microdot connector
SAO2-45DT	2 MHz, 45 Degree angle probe, Top mount microdot connector
SAO2-45SR	2 MHz, 45 Degree angle probe, Rear mount Subvis connector
SAO2-45ST	2 MHz, 45 Degree angle probe, Top mount Subvis connector
SAO2-45ZR	2 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
SAO2-45ZT	2 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
SAO2-60DR	2 MHz, 60 Degree angle probe, Rear mount microdot connector
SAO2-60DT	2 MHz, 60 Degree angle probe, Top mount microdot connector
SAO2-60SR	2 MHz, 60 Degree angle probe, Rear mount Subvis connector

SAO2-60ST	2 MHz, 60 Degree angle probe, Top mount Subvis connector
SAO2-60ZR	2 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
SAO2-60ZT	2 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
SAO2-70DR	2 MHz, 70 Degree angle probe, Rear mount microdot connector
SAO2-70DT	2 MHz, 70 Degree angle probe, Top mount microdot connector
SAO2-70SR	2 MHz, 70 Degree angle probe, Rear mount Subvis connector
SAO2-70ST	2 MHz, 70 Degree angle probe, Top mount Subvis connector
SAO2-70ZR	2 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
SAO2-70ZT	2 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
SAO2-90ST	2 MHz, surface shear wave probe, Top mount Subvis connector
SAO2-90ZR	2 MHz, surface shear wave probe, Rear mount Lemo 00 connector
SAO2-90ZT	2 MHz, surface shear wave probe, Top mount Lemo 00 connector
SAO4-35ZT	4 MHz, 35 Degree angle probe, Top mount Lemo 00 connector
SAO4-38DR	4 MHz, 38 Degree angle probe, Rear mount microdot connector
SAO4-38DT	4 MHz, 38 Degree angle probe, Top mount microdot connector
SAO4-38SR	4 MHz, 38 Degree angle probe, Rear mount Subvis connector
SAO4-38ST	4 MHz, 38 Degree angle probe, Top mount Subvis connector
SAO4-38ZR	4 MHz, 38 Degree angle probe, Rear mount Lemo 00 connector
SAO4-38ZT	4 MHz, 38 Degree angle probe, Top mount Lemo 00 connector
SAO4-45DR	4 MHz, 45 Degree angle probe, Rear mount microdot connector
SAO4-45DT	4 MHz, 45 Degree angle probe, Top mount microdot connector
SAO4-45SR	4 MHz, 45 Degree angle probe, Rear mount Subvis connector
SAO4-45ST	4 MHz, 45 Degree angle probe, Top mount Subvis connector
SAO4-45ZR	4 MHz, 45 Degree angle probe, Rear mount Lemo 00 connector
SAO4-45ZT	4 MHz, 45 Degree angle probe, Top mount Lemo 00 connector
SAO4-60DR	4 MHz, 60 Degree angle probe, Rear mount microdot connector
SAO4-60DT	4 MHz, 60 Degree angle probe, Top mount microdot connector
SAO4-60SR	4 MHz, 60 Degree angle probe, Rear mount Subvis connector
SAO4-60ST	4 MHz, 60 Degree angle probe, Top mount Subvis connector
SAO4-60ZR	4 MHz, 60 Degree angle probe, Rear mount Lemo 00 connector
SAO4-60ZT	4 MHz, 60 Degree angle probe, Top mount Lemo 00 connector
SAO4-70DR	4 MHz, 70 Degree angle probe, Rear mount microdot connector
SAO4-70DT	4 MHz, 70 Degree angle probe, Top mount microdot connector
SAO4-70SR	4 MHz, 70 Degree angle probe, Rear mount Subvis connector
SAO4-70ST	4 MHz, 70 Degree angle probe, Top mount Subvis connector
SAO4-70ZR	4 MHz, 70 Degree angle probe, Rear mount Lemo 00 connector
SAO4-70ZT	4 MHz, 70 Degree angle probe, Top mount Lemo 00 connector
SAO4-80ZT	4 MHz, 80 Degree angle probe, Top mount Lemo 00 connector
SAO4-90ST	4 MHz, surface shear wave probe, Top mount Subvis connector
SAO4-90ZR	4 MHz, surface shear wave probe, Rear mount Lemo 00 connector
SAO4-90ZT	4 MHz, surface shear wave probe, Top mount Lemo 00 connector

SS Standard Shearwave Transducers

SSR50501	1 MHz, ½ ” x ½ ” High Resolution transducer for use with Wedge. BNC connector
SSG50501	1 MHz, ½ ” x ½ ” High sensitivity transducer for use with Wedge. BNC connector
SSR50101	1 MHz, ½ ” x 1” High Resolution transducer for use with Wedge. BNC connector
SSG50101	1 MHz, ½ ” x 1” High sensitivity transducer for use with Wedge. BNC connector
SSR62621	1 MHz, 5/8” x 5/8” High Resolution transducer for use with Wedge. BNC connector
SSG62621	1 MHz, 5/8” x 5/8” High sensitivity transducer for use with Wedge. BNC connector
SSR75751	1 MHz, ¾ “ x ¾ ” High Resolution transducer for use with Wedge. BNC connector
SSG75751	1 MHz, ¾ “ x ¾ ” High sensitivity transducer for use with Wedge. BNC connector
SSR50502	2.25MHz, ½ ” x ½ ” High Resolution transducer for use with Wedge. BNC connector
SSG50502	2.25MHz, ½ ” x ½ ” High sensitivity transducer for use with Wedge. BNC connector
SSR50102	2.25MHz, ½ ” x 1” High Resolution transducer for use with Wedge. BNC connector
SSG50102	2.25MHz, ½ ” x 1” High sensitivity transducer for use with Wedge. BNC connector
SSR62622	2.25MHz, 5/8” x 5/8” High Resolution transducer for use with Wedge. BNC connector
SSG62622	2.25MHz, 5/8” x 5/8” High sensitivity transducer for use with Wedge. BNC connector (AWS)
SSR75752	2.25MHz, ¾ “ x ¾ ” High Resolution transducer for use with Wedge. BNC connector
SSG75752	2.25MHz, ¾ “ x ¾ ” High sensitivity transducer for use with Wedge. BNC connector
SSR50505	5 MHz, ½ ” x ½ ” High Resolution transducer for use with Wedge. BNC connector
SSG50505	5 MHz, ½ ” x ½ ” High sensitivity transducer for use with Wedge. BNC connector
SSR50105	5 MHz, ½ ” x 1” High Resolution transducer for use with Wedge. BNC connector
SSG50105	5 MHz, ½ ” x 1” High sensitivity transducer for use with Wedge. BNC connector
SSR62625	5 MHz, 5/8” x 5/8” High Resolution transducer for use with Wedge. BNC connector
SSG62625	5 MHz, 5/8” x 5/8” High sensitivity transducer for use with Wedge. BNC connector
SSR75755	5 MHz, ¾ “ x ¾ ” High Resolution transducer for use with Wedge. BNC connector
SSG75755	5 MHz, ¾ “ x ¾ ” High sensitivity transducer for use with Wedge. BNC connector

PSS Composite Transducers

PSS50502	2.25MHz, ½ ” x ½ ” Composite Crystal transducer for use with Wedge. BNC connector
PSS50102	2.25MHz, ½ ” x 1” Composite Crystal transducer for use with Wedge. BNC connector
PSS50505	5MHz, ½ ” x ½ ” Composite Crystal transducer for use with Wedge. BNC connector
PSS62752	5 MHz, 5/8 “ x ¾ ” Composite Crystal transducer for use with Wedge. BNC connector
PSS75755	5 MHz, ¾ “ x ¾ ” Composite Crystal transducer for use with Wedge. BNC connector

Standard and ‘Snail’ Wedges for SS/PSS Transducers

SW5045	45 Degree angle beam wedge, for use with ½ ” x ½ ” transducer
SW5060	60 Degree angle beam wedge, for use with ½ ” x ½ ” transducer
SW5070	70 Degree angle beam wedge, for use with ½ ” x ½ ” transducer
SW5090	Surface shear wave wedge, for use with ½ ” x ½ ” transducer

SW5145	45 Degree angle beam wedge, for use with ½ ” x 1 ” transducer
SW5160	45 Degree angle beam wedge, for use with ½ ” x 1 ” transducer
SW5170	45 Degree angle beam wedge, for use with ½ ” x 1 ” transducer
SW5190	Surface shear wave wedge, for use with ½ ” x 1 ” transducer
SW6245	45 Degree angle beam wedge, for use with 5/8 ” x 5/8 ” transducer
SW6245HT	45 Degree High Temp angle beam wedge, for use with 5/8 ” x 5/8 ” transducer
SW6260	60 Degree angle beam wedge, for use with 5/8 ” x 5/8 ” transducer
SW6260HT	60 Degree High Temp angle beam wedge, for use with 5/8 ” x 5/8 ” transducer
SW6270	70 Degree angle beam wedge, for use with 5/8 ” x 5/8 ” transducer
SW7545	45 Degree angle beam wedge, for use with 5/8 ” x ¾ ”or ¾” x ¾” transducer
SW7560	60 Degree angle beam wedge, for use with 5/8 ” x ¾ ”or ¾” x ¾” transducer
SW7570	70 Degree angle beam wedge, for use with 5/8 ” x ¾ ”or ¾” x ¾” transducer
SNW6245	45 Degree ‘Snail’ wedge, for use with 5/8 ” x 5/8 ” transducer (AWS)
SNW6260	60 Degree ‘Snail’ wedge, for use with 5/8 ” x 5/8 ” transducer (AWS)
SNW6270	70 Degree ‘Snail’ wedge, for use with 5/8 ” x 5/8 ” transducer (AWS)

MS Miniature Shear Wave Transducers

MSG2525	2.25MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSG5025	2.25 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSR2525	2.25MHz, ¼ “ diam. High Resolution transducer for use with Wedge. Microdot connector
MSR5025	2.25 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector
MSR1250	5MHz, 1/8 “ diam. High Resolution transducer for use with Wedge. Microdot connector
MSG2550	5MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSG5050	5 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSR2550	5MHz, ¼ “ diam. High Resolution transducer for use with Wedge. Microdot connector
MSR5050	5 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector
MSG1810	10MHz,3/16“ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSG2510	10MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSG5010	10 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
MSR2510	10 MHz, ¼ “ diam. High Resolution transducer for use with Wedge. Microdot connector
MSR5010	10 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector

PMS Composite Transducers

PMS2550	5MHz, ¼ “ diam. Composite Crystal transducer for use with Wedge. Microdot connector
PMS3750	5MHz, 3/8 “ diam. Composite Crystal transducer for use with Wedge. Microdot connector

MW wedges for use with MS/PMS Transducers

MW1260	60 Degree angle beam wedge, for use with 1/8 “ diam. transducer
MW1270	70 Degree angle beam wedge, for use with 1/8 “ diam. transducer

MW2552	52 Degree angle beam wedge, for use with ¼“ diam. transducer
MW2540	40 Degree angle beam wedge, for use with ¼“ diam. transducer
MW2545	45 Degree angle beam wedge, for use with ¼“ diam. Transducer
MW2560	60 Degree angle beam wedge, for use with ¼“ diam. Transducer
MW2570	70 Degree angle beam wedge, for use with ¼“ diam. Transducer
MW2580	80 Degree angle beam wedge, for use with ¼“ diam. Transducer
MW2590	Surface shear wave wedge, for use with ¼“ diam. transducer
MW3752	52 Degree angle beam wedge, for use with 3/8“ diam. transducer
MW5045	45 Degree angle beam wedge, for use with ½“ diam. Transducer
MW5045HT	45 Degree High Temp angle beam wedge, for use with ½“ diam. Transducer
MW5060	60 Degree angle beam wedge, for use with ½“ diam. Transducer
MW5060HT	60 Degree High Temp angle beam wedge, for use with ½“ diam. Transducer
MW5070	70 Degree angle beam wedge, for use with ½“ diam. Transducer
MW5070HT	70 Degree High Temp angle beam wedge, for use with ½“ diam. Transducer

QC Quick Change series

QCG2525	2.25MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR2525	2.25MHz, ¼ “ diam. High Resolution transducer r for use with Wedge. Microdot connector
QCG3725	2.25 MHz 3/8“ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCG5025	2.25 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR5025	2.25 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector
QCG2550	5MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR2550	5MHz, ¼ “ diam. High Resolution transducer for use with Wedge. Microdot connector
QC3750	5MHz, 3/8“ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCG5050	5 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR5050	5 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector
QCHR5050	5 MHz ½“ diam. Extra High Resolution transducer for use with Wedge. Microdot connector
QCG2510	10 MHz, ¼ “ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR2510	10 MHz, ¼ “ diam. High Resolution transducer for use with Wedge. Microdot connector
QCG5010	10 MHz ½“ diam. High sensitivity transducer for use with Wedge. Microdot connector
QCR5010	10 MHz ½“ diam. High Resolution transducer for use with Wedge. Microdot connector
QCHR5010	10 MHz ½“ diam. Extra High Resolution transducer for use with Wedge. Microdot connector

PQC Composite Crystal Transducers

PQC5025	2.25 MHz ½“ diam. Composite Crystal transducer for use with Wedge. Microdot connector
PQC2550	5MHz, ¼ “ diam Composite Crystal transducer for use with Wedge. Microdot connector
PQC3750	5MHz, 3/8“ diam Composite Crystal transducer for use with Wedge. Microdot connector
PQC5050	5 MHz ½“ diam. Composite Crystal transducer for use with Wedge. Microdot connector
PQC2510	10 MHz, ¼ “ diam Composite Crystal transducer for use with Wedge. Microdot connector

QW Wedges for use with QC / PQC Transducers

QW2530	30 Degree angle beam wedge, for use with ¼“ diam. transducer
QW2540	40 Degree angle beam wedge, for use with ¼“ diam. transducer
QW2545	45 Degree angle beam wedge, for use with ¼“ diam. Transducer
QW2545A	45 Degree (In Aluminium) angle beam wedge, for use with ¼“ diam. Transducer
QW2555	55 Degree angle beam wedge, for use with ¼“ diam. transducer
QW2560	60 Degree angle beam wedge, for use with ¼“ diam. Transducer
QW2560A	60 Degree (In Aluminium) angle beam wedge, for use with ¼“ diam. Transducer
QW2570	70 Degree angle beam wedge, for use with ¼“ diam. Transducer
QW2590	Surface shear wave wedge, for use with ¼“ diam. transducer
QW3722	22 Degree angle beam wedge, for use with3/8“ diam. Transducer
QW3730	30 Degree angle beam wedge, for use with3/8“ diam. Transducer
QW3745	45 Degree angle beam wedge, for use with3/8“ diam. Transducer
QW3760	60 Degree angle beam wedge, for use with3/8“ diam. Transducer
QW3770	70 Degree angle beam wedge, for use with3/8“ diam. Transducer
QW5035	35 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5040	40 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5043	43 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5045	45 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5045HT	45 Degree High Temp angle beam wedge, for use with ½“ diam. Transducer
QW5060	60 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5070	70 Degree angle beam wedge, for use with ½“ diam. Transducer
QW5090	Surface shear wave wedge, for use with ½“ diam. transducer

MAP – Miniature Angle Beam Potted transducers

Dimensions:

	Length	Width	Height
(P)MAP18xxxx	20mm (0.79”)	10.1mm (0.40”)	12.7mm (0.50”)
(P)MAP25xxxx	20mm (0.79”)	11.4mm (0.45”)	17.3mm (0.68”)
(P)MAP05xxxx	30.1mm (1.187”)	20mm (0.79”)	19mm (0.75”)
MMAPxxxxxx	10.1mm (0.40”)	6.3mm (0.25”)	9.5mm (0.40”)

MAP182545	2 MHz, 3/16” 45 Degree miniature angle transducer, Rear mount microdot connector
MAP182560	2 MHz, 3/16” 60 Degree miniature angle transducer, Rear mount microdot connector
MAP182570	2 MHz, 3/16” 70 Degree miniature angle transducer, Rear mount microdot connector
MAP252545	2 MHz, 1/4” 45 Degree miniature angle transducer, Rear mount microdot connector
MAP252545T	2 MHz, 1/4” 45 Degree miniature angle transducer, top mount microdot connector
MAP252560	2 MHz, 1/4” 60 Degree miniature angle transducer, Rear mount microdot connector
MAP252560T	2 MHz, 1/4” 60 Degree miniature angle transducer, Top mount microdot connector
MAP252570	2 MHz, 1/4” 70 Degree miniature angle transducer, Rear mount microdot connector
MAP252570T	2 MHz, 1/4” 70 Degree miniature angle transducer, Top mount microdot connector
MAP185035A	5 MHz, 3/16” 35 Degree miniature angle transducer, Rear mount microdot connector
MAP185038	5 MHz, 3/16” 38 Degree miniature angle transducer, Rear mount microdot connector
MAP185040	5 MHz, 3/16” 40 Degree miniature angle transducer, Rear mount microdot connector
MAP185040T	5 MHz, 3/16” 40 Degree miniature angle transducer, top mount microdot connector
MAP185045	5 MHz, 3/16” 45 Degree miniature angle transducer, Rear mount microdot connector
MAP185045T	5 MHz, 3/16” 45 Degree miniature angle transducer, top mount microdot connector
MAP185060	5 MHz, 3/16” 60 Degree miniature angle transducer, Rear mount microdot connector
MAP185060T	5 MHz, 3/16” 60 Degree miniature angle transducer, Top mount microdot connector
MAP185070	5 MHz, 3/16” 70 Degree miniature angle transducer, Rear mount microdot connector
MAP185070T	5 MHz, 3/16” 70 Degree miniature angle transducer, Top mount microdot connector
MAP185070TA	5 MHz, 3/16” 70 Degree in Aluminium miniature angle transducer, Top mount microdot connector
MAP185090	5 MHz, 3/16” surface shear wave miniature angle transducer, Rear mount microdot connector
MAP255030	5 MHz, 1/4” 38 Degree miniature angle transducer, Rear mount microdot connector
MAP255038	5 MHz, 1/4” 40 Degree miniature angle transducer, Rear mount microdot connector
MAP255040	5 MHz, 1/4” 40 Degree miniature angle transducer, Rear mount microdot connector
MAP255040HT	5 MHz, 1/4” 40 Degree High Temp. miniature angle transducer, top mount microdot connector
MAP255045	5 MHz, 1/4” 45 Degree miniature angle transducer, Rear mount microdot connector
MAP255045T	5 MHz, 1/4” 45 Degree miniature angle transducer, Top mount microdot connector
MAP255060	5 MHz, 1/4” 60 Degree miniature angle transducer, Rear mount microdot connector
MAP255060T	5 MHz, 1/4” 60 Degree miniature angle transducer, Top mount microdot connector
MAP255070	5 MHz, 1/4” 70 Degree miniature angle transducer, Rear mount microdot connector
MAP255070A	5 MHz, 1/4” 70 Degree in Aluminium miniature angle transducer, Rear mount microdot connector

MAP255070T	5 MHz, 1/4" 70 Degree miniature angle transducer, Top mount microdot connector
MAP255090	5 MHz, 1/4" surface shear wave miniature angle transducer, Rear mount microdot connector
MAP375070	5 MHz, 3/8" 70 Degree miniature angle transducer, Rear mount microdot connector
MAP181045	10 MHz, 3/16" 45 Degree miniature angle transducer, Rear mount microdot connector
MAP181060	10 MHz, 3/16" 60 Degree miniature angle transducer, Rear mount microdot connector
MAP181070	10 MHz, 3/16" 70 Degree miniature angle transducer, Rear mount microdot connector
MAP251038	10 MHz, 1/4" 38 Degree miniature angle transducer, Rear mount microdot connector
MAP251045	10 MHz, 1/4" 45 Degree miniature angle transducer, Rear mount microdot connector
MAP251060	10 MHz, 1/4" 60 Degree miniature angle transducer, Rear mount microdot connector
MAP251070	10 MHz, 1/4" 70 Degree miniature angle transducer, Rear mount microdot connector

MMAP (Micro-Miniature Angle Probes)

Dimensions: 9.5 x 6.5 x 9.5mm (excluding connector)

MMAP125045	5 MHz, 1/8" 45 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP125060	5 MHz, 1/8" 60 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP125070	5 MHz, 1/8" 70 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP185045	5 MHz, 3/16" 45 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP185060	5 MHz, 3/16" 60 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP185070	5 MHz, 3/16" 70 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121045	10 MHz, 1/8" 45 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121060	10 MHz, 1/8" 60 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121070	10 MHz, 1/8" 70 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP181045	10 MHz, 3/16" 45 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP181060	10 MHz, 3/16" 60 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP181070	10 MHz, 3/16" 70 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121545	15 MHz, 1/8" 45 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121560	15 MHz, 1/8" 60 Degree micro-miniature angle transducer, Top mount microdot connector
MMAP121570	15 MHz, 1/8" 70 Degree micro-miniature angle transducer, Top mount microdot connector

PMAP (Composite Miniature Angle Probes)

PMAP182545	2.25 MHz, 3/16" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP182560	2.25 MHz, 3/16" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP182570	2.25 MHz, 3/16" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP252545	2.25 MHz, 1/4" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP252560	2.25 MHz, 1/4" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP252570	2.25 MHz, 1/4" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP372545	2.25 MHz, 3/8" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP372560	2.25 MHz, 3/8" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP372570	2.25 MHz, 3/8" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP185045	5 MHz, 3/16" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP185060	5 MHz, 3/16" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP185070	5 MHz, 3/16" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP255045	5 MHz, 1/4" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP255060	5 MHz, 1/4" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP255070	5 MHz, 1/4" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP375045	5 MHz, 3/8" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP375060	5 MHz, 3/8" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP375070	5 MHz, 3/8" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP505045	5 MHz, 1/2" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP505060	5 MHz, 1/2" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP505070	5 MHz, 1/2" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP181045	10 MHz, 3/16" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP181060	10 MHz, 3/16" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP181070	10 MHz, 3/16" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP251045	10 MHz, 1/4" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP251060	10 MHz, 1/4" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP251070	10 MHz, 1/4" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP371045	10 MHz, 3/8" 45 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP371060	10 MHz, 3/8" 60 Degree miniature composite Crystal angle transducer, Rear mount microdot connector
PMAP371070	10 MHz, 3/8" 70 Degree miniature composite Crystal angle transducer, Rear mount microdot connector

Sirius Range Transducers

Sirius range probes are designed for maximum compatibility with standard European probe sizes, allowing their use with appropriate DGS diagrams and procedures.

SHM2-10Z	2MHz 10mm Hard Faced Single Compression Transducers Lemo 00
LHM2-24	2MHz 24mm Hard Faced Single Compression Transducers Lemo 00
SHM4-10Z	4MHz 10mm Hard Faced Single Compression Transducers Lemo 00
LHM4-24	4MHz 24mm Hard Faced Single Compression Transducers Lemo 00
LMM1-24	1MHz, 24mm Protective Membrane Single Compression Transducers Lemo 00
SMM2-10Z	2MHz 10mm Protective Membrane Single Compression Transducers Lemo 00
LMM2-24	2MHz 24mm Protective Membrane Single Compression Transducers Lemo 1
SMM4-10Z	4MHz 10mm Protective Membrane Single Compression Transducers Lemo 00
LMM4-24	4MHz 24mm Protective Membrane Single Compression Transducers Lemo 1
THM2-10Z	2MHz 10mm Dual Element Compression Transducers Lemo 00
THM2-24	2MHz 24mm Dual Element Compression Transducers Lemo 00
THM4-10Z	4MHz 10mm Dual Element Compression Transducers Lemo 00
THM4-24	4MHz 24mm Dual Element Compression Transducers Lemo 00

Sirius Range Angle Transducers

SMA2-45ZR	2MHz, 45 degree Small Angle Transducer, Lemo 00, 8x9mm element
SMA2-60ZR	2MHz, 60 degree, Small Angle Transducer, Lemo 00, 8x9mm element
SMA2-70ZR	2MHz, 70 degree, Small Angle Transducer, Lemo 00, 8x9mm element
SMA4-45ZR	4MHz, 45 degree, Small Angle Transducer, Lemo 00, 8x9mm element
SMA4-60ZR	4MHz, 60 degree, Small Angle Transducer, Lemo 00, 8x9mm element
SMA4-70ZR	4MHz, 70 degree, Small Angle Transducer, Lemo 00, 8x9mm element
MMA2-45ZR	2MHz, 45 degree Medium Angle Transducer, Lemo 00, 14x14mm element
MMA2-60ZR	2MHz, 60 degree, Medium Angle Transducer, Lemo 00, 14x14mm element
MMA2-70ZR	2MHz, 70 degree, Medium Angle Transducer, Lemo 00, 14x14mm element
MMA4-45ZR	4MHz, 45 degree, Medium Angle Transducer, Lemo 00, 14x14mm element
MMA4-60ZR	4MHz, 60 degree, Medium Angle Transducer, Lemo 00, 14x14mm element
MMA4-70ZR	4MHz, 70 degree, Medium Angle Transducer, Lemo 00, 14x14mm element

LMA2-45	2MHz, 45 degree Large Angle Transducer, Lemo 00, 20x22mm element
LMA2-60	2MHz, 60 degree, Large Angle Transducer, Lemo 00, 20x22mm element
LMA2-70	2MHz, 70 degree, Large Angle Transducer, Lemo 00, 20x22mm element
LMA4-45	4MHz, 45 degree, Large Angle Transducer, Lemo 00, 20x22mm element
LMA4-60	4MHz, 60 degree, Large Angle Transducer, Lemo 00, 20x22mm element
LMA4-70	4MHz, 70 degree, Large Angle Transducer, Lemo 00, 20x22mm element

Sirius Transducer accessories

195182	Yellow Box - holds 3x SMA's + 1x small compression
195183	Yellow Box - holds 1-2 small size transducers
195184	Black/Grey Box - holds 1 medium/large transducer
195104	A5 kit box - holds 3xSMA + 1 x small compression + cable + certs

SMA-SK	Replacement Shoe Kit suitable for SMA transducers
MMA-SK	Replacement Shoe Kit suitable for MMA transducers
LMA-SK	Replacement Shoe Kit suitable for LMA transducers

Delay Line Transducers

RDT501	1 MHz, ½ " transducer with replaceable delay line. Side mount Microdot connector
RDT2525	2.25 MHz, ¼ " transducer with replaceable delay line. Side mount Microdot connector
RDT2525T	2.25 MHz, ¼ " transducer with replaceable delay line. Top mount Microdot connector
RDT3725	2.25 MHz, 3/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT5025	2.25 MHz, ½ " transducer with replaceable delay line. Side mount Microdot connector
RDT1250	5 MHz, 1/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT2550	5 MHz, ¼ " transducer with replaceable delay line. Side mount Microdot connector
RDT2550T	5 MHz, ¼ " transducer with replaceable delay line. Top mount Microdot connector
RDT3750	5 MHz, 3/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT5050	5 MHz, ½ " transducer with replaceable delay line. Side mount Microdot connector
RDT1210	10 MHz, 1/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT2510	10 MHz, ¼ " transducer with replaceable delay line. Side mount Microdot connector
RDT3710	10 MHz, 3/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT5010	10 MHz, ½ " transducer with replaceable delay line. Side mount Microdot connector
RDT1215	15 MHz, 1/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT2515	15 MHz, ¼ " transducer with replaceable delay line. Side mount Microdot connector
RDT2515T	15 MHz, ¼ " transducer with replaceable delay line. Top mount Microdot connector
RDT1220	20 MHz, 1/8 " transducer with replaceable delay line. Side mount Microdot connector
RDT2520	20 MHz, ¼ " transducer with replaceable delay line. Side mount Microdot connector

DT12	Replacement delay tips for RDT12ff Probes
DT25	Replacement delay tips for RDT25ff Probes
DT25-0.5	Replacement ½" long delay tips for RDT25ff Probes
DT25L11.4	Replacement 11.4mm long long delay tips for RDT25ff Probes
DT25L19	Replacement 19mm delay tips for RDT25ff Probes
DT37	Replacement delay tips for RDT37ff Probes
DT50	Replacement delay tips for RDT50ff Probes

Ultrasonic Transducers – Immersion & Special Application

Immersion Transducers

IM series

IMG501	1 MHz, 1/2" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR501	1 MHz, 1/2" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR501	1 MHz, 1/2" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG751	1 MHz, 3/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR751	1 MHz, 3/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR751	1 MHz, 3/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG101	1 MHz, 1" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR101	1 MHz, 1" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR101	1 MHz, 1" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG2525	2.25 MHz, 1/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR2525	2.25 MHz, 1/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR2525	2.25 MHz, 1/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG3725	2.25 MHz, 3/8" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR3725	2.25 MHz, 3/8" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR3725	2.25 MHz, 3/8" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG5025	2.25 MHz, 1/2" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR5025	2.25 MHz, 1/2" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR5025	2.25 MHz, 1/2" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG7525	2.25 MHz, 3/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR7525	2.25 MHz, 3/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR7525	2.25 MHz, 3/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG1025	2.25 MHz, 1" High sensitivity immersion Probe, Flat Focus, UHF Connector

IMR1025	2.25 MHz, 1" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR1025	2.25 MHz, 1" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG2550	5 MHz, 1/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMG3750	5 MHz, 3/8" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR3750	5 MHz, 3/8" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR3750	5 MHz, 3/8" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG5050	5 MHz, 1/2" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR5050	5 MHz, 1/2" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR5050	5 MHz, 1/2" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG7550	5 MHz, 3/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR7550	5 MHz, 3/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR7550	5 MHz, 3/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG1050	5 MHz, 1" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR1050	5 MHz, 1" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR1050	5 MHz, 1" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG2510	10 MHz, 1/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR2510	10 MHz, 1/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR2510	10 MHz, 1/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG3710	10 MHz, 3/8" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR3710	10 MHz, 3/8" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR3710	10 MHz, 3/8" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG5010	10 MHz, 1/2" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR5010	10 MHz, 1/2" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR5010	10 MHz, 1/2" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG7510	10 MHz, 3/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMR7510	10 MHz, 3/4" High Resolution immersion Probe, Flat Focus, UHF Connector
IMHR7510	10 MHz, 3/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector
IMG2515	15 MHz, 1/4" High sensitivity immersion Probe, Flat Focus, UHF Connector
IMHR2515	15 MHz, 1/4" Extra High Resolution immersion Probe, Flat Focus, UHF Connector

PIM501	1 MHz, 1/2" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM3725	2.25 MHz, 3/8" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM5025	2.25 MHz, 1/2" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM7525	2.25 MHz, 3/4" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM1025	2.25 MHz, 1" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM1835 - GE	3.5 MHz, 3/16" Composite Crystal immersion Probe, 0.5 in spherical Focus, Top mounted Microdot connector.
PIM1850	5 MHz, 3/16" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM3750	5 MHz, 3/8" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIMR3750	5 MHz, 3/8" Composite Crystal immersion Probe, Flat Focus, R/ A Connector
PIM5050	5 MHz, 1/2" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM7550	5 MHz, 3/4" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM1810	10 MHz, 3/16" Composite Crystal immersion Probe, Flat Focus, UHF Connector

PIM1810RAI	10 MHz, 3/16" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM1810TIM	10 MHz, 3/16" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM2510	10 MHz, 1/4" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM3710	10 MHz, 3/8" Composite Crystal immersion Probe, Flat Focus, UHF Connector
PIM5010	10 MHz, 1/2" Composite Crystal immersion Probe, Flat Focus, UHF Connector

SLIH High-Damped and SLIM Medium-Damped Immersion Probes

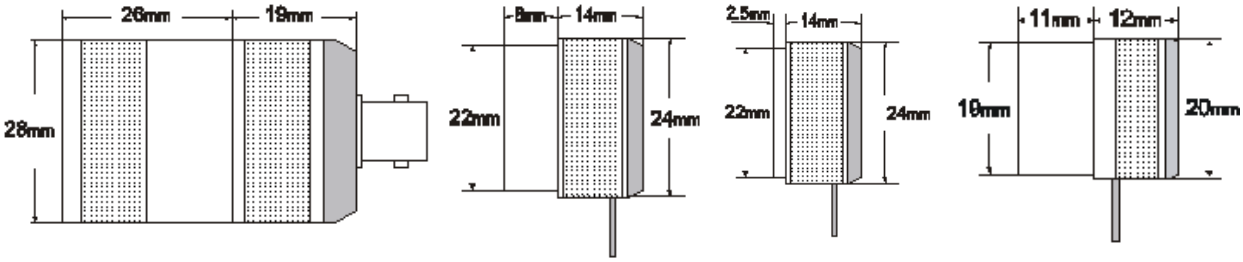
(For Focused type specify Focal length)

SLIH1-10	1 MHz, 10mm High Damped immersion Probe, Flat Focus, UHF Connector
SLIH2-10	2 MHz, 10mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH2-15	2 MHz, 15mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH2-25	2 MHz, 25mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-5	5 MHz, 5mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-10	5 MHz, 10mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-10CF	5 MHz, 10mm High Damped immersion Probe, Cylindrical Focus, UHF Connector
SLIH5-0.5	5 MHz, ½" High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-15	5 MHz, 15mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-20	5 MHz, 20mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH5-25	5 MHz, 25mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH10-5	10 MHz, 5mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH10-5CF	10 MHz, 5mm High Damped immersion Probe, Cylindrical Focus, UHF Connector
SLIH10-5SF	10 MHz, 5mm High Damped immersion Probe, Spherical Focus, UHF Connector
SLIH10-10	10 MHz, 10mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH10-10CF	10 MHz, 10mm High Damped immersion Probe, Cylindrical Focus, UHF Connector
SLIH15-5	15 MHz, 5mm High Damped immersion Probe,, Flat Focus, UHF Connector
SLIH15-10SF	15 MHz, 10mm High Damped immersion Probe, Spherical Focus, UHF Connector

SLIM0.5-34	500 kHz, 34mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM1-25	1 MHz, 25mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM1-34SF76	1 MHz, 34mm Medium Damped immersion Probe,, 76mm spherical Focus, UHF Connector
SLIM2-10	2 MHz, 10mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM2-15	2 MHz, 15mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM2-25	2 MHz, 25mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM5-5	5 MHz, 5mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM5-10	5 MHz, 10mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM5-15	5 MHz, 15mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM5-25	5MHz, 25mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM10-5	10 MHz, 5mm Medium Damped immersion Probe,, Flat Focus, UHF Connector
SLIM10-10	10 MHz, 10mm Medium Damped immersion Probe,, Flat Focus, UHF Connector

EMAT

Most commonly used for inspection of 'waterwall' boiler tubes, EMAT transducers generate a shear wave propagating from the top oxide surface of the tube, produced by the magnetostrictive effect.



These transducers are only suitable for use with steel with a magnetostrictive oxide layer, which is produced by long term exposure to temperatures over 450°C. On bare steel, no ultrasound wave is produced.

Please note that these are the only type of EMAT probe suitable for use with standard Flaw Detectors.

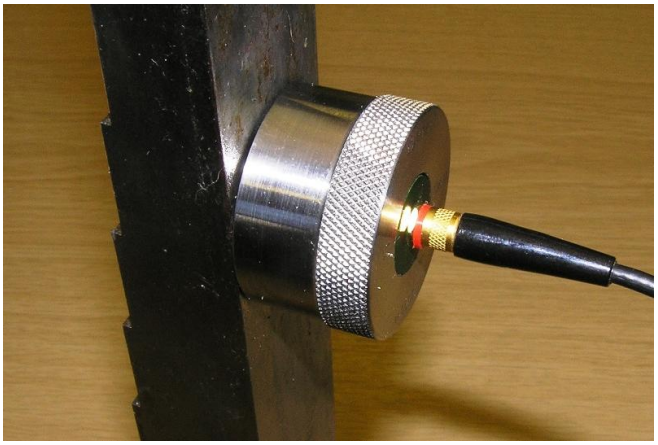
EMAT-TYPE1	28mm diameter, adjustable brass wear/spacing ring, BNC connector
EMAT-TYPE2	22mm diameter, 22mm high, with Integral cable and BNC connector
EMAT-TYPE3	22mm diameter, 17mm high, with Integral cable and BNC connector
EMAT-TYPE4	19mm Diameter, 23mm high with Integral cable and BNC connector
149312	EMAT Test Block (Plated pipe wedge) 2-10mm

Boiler Tube Probes

Small, low profile, twin angle beam transducers with integral cables, used for the inspection of welds in steam boilers in power stations. Axially radiused to suit 50mm boiler tubes. These probes have an increased toe-in angle, to produce a short focal length, and an operating frequency of 5Mhz.

BTP5-60B	5 MHz 60 degree Boiler tube probe, Integral cable with BNC connectors
BTP5-60L	5 MHz 60 degree Boiler tube probe, Integral cable with Lemo 1 connectors
BTP5-70B	5 MHz 70 degree Boiler tube probe, Integral cable with BNC connectors
BTP5-70L	5 MHz 70 degree Boiler tube probe, Integral cable with Lemo 1 connectors

Magnetic Probes



Magnetic Hold probes sticks firmly to ferrous surfaces, freeing up both hands for operation of equipment as well as aiding reliable thickness measurement.

MAG1825	2.25 MHz, 3/16” Magnetic Probe, microdot connector
MAG2525	2.25 MHz, 1/4” Magnetic Probe, microdot connector
MAG3725	2.25 MHz, 3/8” Magnetic Probe, microdot connector
MAG5025	2.25 MHz, 1/2” Magnetic Probe, microdot connector
MAG7525	2.25 MHz, 3/4” Magnetic Probe, microdot connector
MAG1850	5 MHz, 3/16” Magnetic Probe, microdot connector
MAG2550	5 MHz, 1/4” Magnetic Probe, microdot connector
MAG3750	5 MHz, 3/8” Magnetic Probe, microdot connector
MAG5050	5 MHz, 1/2” Magnetic Probe, microdot connector
MAG7550	5 MHz, 3/4” Magnetic Probe, microdot connector

DL Series Probes

This is a range of small-diameter thickness measurement probes, with optional long-reach for inspection through insulating layers. Pictured right is the DL5-XL model.

Element diameter: 3/16“ (5mm)
Body diameter: 0.325” (8mm)

Lengths available:
DL-5 Length 0.85” (21.5mm)
DL-5L Length 1.5” (38mm)
DL-5XL Length 6.0” (150mm)

Please contact the sales office for further information.

Q-Scan Probes

Contact sales Office for details

Duplex Transducers

Contact sales Office for details

Triplex Transducers

Contact sales Office for details

Railway Axle Inspection Probes

LTCBR2.5-0	2.5MHz, 20mm Dual Element Compression Wave Probe, Zero degree end scan, BNC Connectors,
LTCBR2.5-0R90	2.5MHz, 20mm Dual Element Compression Wave Probe, Zero degree scan, Shaped for 90mm Radius Axle, BNC Connectors,
LTCBR2.5-0R100	2.5MHz, 20mm Dual Element Compression Wave Probe, Zero degree scan, Shaped for 100mm Radius Axle, BNC Connectors,
LTCBR2.5-5	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 5 degree, BNC Connectors,
LTCBR2.5-7.5	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 7.5 degree, BNC Connectors,
LTCBR2.5-10	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 10 degree, BNC Connectors,
LTCBR2.5-12.5	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 12.5 degree, BNC Connectors,
LTCBR2.5-15	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 15 degree, BNC Connectors,
LTCBR2.5-17.5	2.5MHz, 20mm Dual Element Compression Wave Probe, low angle end scan 17.5 degree, BNC Connectors,
LTCBR2.5-37R90	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 37 degree Shaped for 90mm Radius Axle,,BNC Connectors,
LTCBR2.5-37R100	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 37 degree Shaped for 100mm Radius Axle,, BNC Connectors,
LTCBR2.5-45R90	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 45 degree, Shaped for 90mm Radius Axle, BNC Connectors,
LTCBR2.5-45R100	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 45 degree, Shaped for 100mm Radius Axle, BNC Connectors,
LTCBR2.5-52R90	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 52 degree, Shaped for 90mm Radius Axle, BNC Connectors,
LTCBR2.5-52R100	2.5MHz, 20mm Dual Element Shear Wave Probe, High angle 52 degree, Shaped for 100mm Radius Axle, BNC Connectors,
LSSBR2.5-37R90	2.5MHz, 15mm Single Element shear Wave Probe, High angle 37 degree, Shaped for 90mm Radius Axle, BNC Connector,
LSSBR2.5-37R100	2.5MHz, 15mm Single Element shear Wave Probe, High angle 37 degree, Shaped for 100mm Radius Axle, BNC Connector,
LSSBR2.5-45R90	2.5MHz, 15mm Single Element shear Wave Probe, High angle 45 degree, Shaped for 90mm Radius Axle, BNC Connector,
LSSBR2.5-45R100	2.5MHz, 15mm Single Element shear Wave Probe, High angle 45 degree, Shaped for 100mm Radius Axle, BNC Connector,
LSSBR2.5-52R90	2.5MHz, 15mm Single Element shear Wave Probe, High angle 52 degree, Shaped for 90mm Radius Axle, BNC Connector,
LSSBR2.5-52R100	2.5MHz, 15mm Single Element shear Wave Probe, High angle 52 degree, Shaped for 100mm Radius Axle, BNC Connector,
LSSBR2.5-60R90	2.5MHz, 15mm Single Element shear Wave Probe, High angle 60 degree, Shaped for 90mm Radius Axle, BNC Connector,

LSSBR2.5-60R100	2.5MHz, 15mm Single Element shear Wave Probe, High angle 60 degree, Shaped for 100mm Radius Axle, BNC Connector,
LSSBR2.5-90	2.5MHz, 15mm Single Element surface Wave Probe, BNC Connector,
SCBR2.5-20	2.5MHz, 20mm Single Element Compression Wave Probe, suitable for use with SCBRW Wedges, BNC Connector,
SCBRW5	5 degree Interchangeable wedge for use with SCBR Probe
SCBRW7	7 degree Interchangeable wedge for use with SCBR Probe
SCBRW7.5	5 degree Interchangeable wedge for use with SCBR Probe
SCBRW10	7.5 degree Interchangeable wedge for use with SCBR Probe
SCBRW12.5	12.5 degree Interchangeable wedge for use with SCBR Probe
SCBRW15	15 degree Interchangeable wedge for use with SCBR Probe
SCBRW16	16 degree Interchangeable wedge for use with SCBR Probe
SCBRW17.5	17.5 degree Interchangeable wedge for use with SCBR Probe
TCBR2.5-0	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, Zero degree end scan, BNC Connectors,
TCBR2.5-5	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, 5 degree end scan, BNC Cnnectors,
TCBR2.5-7.5	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe,7.5 degree end scan, BNC Connectors,
TCBR2.5-10	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, 10 degree end scan, BNC Connectors,
TCBR2.5-12.5	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, 12.5 degree end scan, BNC Connectors,
TCBR2.5-15	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, 15 degree end scan, BNC Connectors,
TCBR2.5-17.5	2.5MHz, 20mm Dual Element Elliptical Beam Compression Wave Probe, 17.5 degree end scan, BNC Connectors,

Dryscan and Roller Probes

Used in pairs for dry coupled inspection of composite materials.

STP5-1	1.25MHz, 5mm contact diameter dry-coupled Probe, Lemo 00 connector (use in pairs)
STP5-1Z	1.25MHz, 5mm contact diameter dry-coupled Probe, Subvis connector (use in pairs)
STP5-2	500kHz, 5mm contact diameter dry-coupled Probe, Lemo 00 connector (use in pairs)
STP5-2Z	500kHz, 5mm contact diameter dry-coupled Probe, Subvis connector (use in pairs)
STP10-1	1.25MHz, 10mm contact diameter dry-coupled Probe, Subvis connector (use in pairs)
STP10-2	500kHz, 10mm contact diameter dry-coupled Probe, Subvis connector (use in pairs)
RP25HS-1	25mm diameter dry-coupled Roller transducer, Lemo 00 connector (use in pairs)
RP25HS-2	500kHz, 25mm diameter dry-coupled Roller transducer, Lemo 00 connector (use in pairs)
RP25HS-2	1.25MHz, 25mm diameter dry-coupled Roller transducer, Special Low-Profile design. (use in pairs)

151077	Spare tips for STP5 Dry-coupled probes
151077	Spare tips for STP5 Dry-coupled probes
151218	Spare Type for RP25 Roller Probes (Grey)
151255	Spare Type for RP25 Roller Probes (Red)

Single Element Wheel Probe

The single element wheel probe uses the same technology as the RapidScan probes, but is fitted with a single Piezo composite probe. It is suitable for use with all Flaw Detectors.

The 'buggy' version shown includes an encoder for use with PC-based systems. A yoke-mounted model is also available, and can be used with either a manual or automatic scanner.

Like the RapidScan wheel probes, the single element wheel probe can be used dry, although a light spray of water gives more reliable coupling.

SEWP-B-38-05-15-02	Single Element Wheel Probe with hand held buggy and encoder. 38mm tyre 5MHz single element immersion transducer with 2m cable
SEWP-Y-38-05-15-05	Yoke Mounted Single Element 38mm wide wheel probe in yoke mounting. 5MHz 15mm diameter transducer with 5m cable

Sonatest Standard Probe Kits

Standard probe kits provide a selection of probes appropriate for a general class of application, suitable as a 'starter kit' or standard package for budgetary purposes. Cables are not included; please select the matching set of BNC or Lemo cables appropriate to the instrument the probes are to be used with.

PTK1	WELDING Standard Probe Kit, Comprises SLF4-10Z, CDF4-20Z, LSA2-45ZR, LSA2-70ZR, ORION2-45ZR,ORION4-45ZR X 2, ORION4-60ZR, ORION4-70ZR X 2
PCK1L	Lemo Cable set for WELDING Standard Probe Kit, Comprises PC-LZ X 2, TPC-LZ
PCK1B	BNC Cable set for WELDING Standard Probe Kit, Comprises PC-BZ X 2, TPC-BZ
PTK2	FORGING Standard Probe Kit, Comprises SLF4-25L, SLF2-25L, CDF2-20Z, SLF4-10Z, SLH2-10Z, LSA2-45ZR ,ORION4-45ZR, ORION4-70ZR, DEM3750
PCK2L	Lemo Cable set for FORGING Standard Probe Kit, Comprises PC-LL, TPC-LZ, PC-LZ X 2, TPC-LD FOR LEMO
PCK2B	BNC Cable set for FORGING Standard Probe Kit, Comprises PC-BL, TPC-BZ, PC-BZ X 2, TPC-BD FOR BNC
PTK3	AIRCRAFT Standard Probe Kit, Comprises SLF4-25L, ORION4-45ZR X 2, ORION4-70ZR, ORION4-90ZR, CDF4-10Z,SLH4-25L, RDT2515, SLP5-5D, SLP5-10D, DEM2510
PCK3L	Lemo Cable set for AIRCRAFT Standard Probe Kit, Comprises PC-LL, PC-LZ X 2, TPC-LZ, TPC-LD, PC-LD FOR LEMO
PCK3B	BNC Cable set for AIRCRAFT Standard Probe Kit, Comprises PC-BL, PC-BZ X 2, TPC-BZ, TPC-BD, PC-BD FOR BNC
PTK4	STEEL Standard Probe Kit, Comprises SLF4-25L, CDF2-20Z, SLH5-10Z, CDF4-10Z, SLP5-10D, LSA2-45ZR,LSA2-70ZR, ORION4-45ZR, ORION4-70ZR
PCK4L	Lemo Cable set for STEEL Standard Probe Kit, Comprises PC-LL, TPC-LZ, PC-LZ X 2, PC-LD FOR LEMO
PCK4B	BNC Cable set for STEEL Standard Probe Kit, Comprises PC-BL, TPC-BZ, PC-BZ X 2, PC-BD FOR BNC
PTK5	CASTING Standard Probe Kit, Comprises SLF2-25L, CDF2-20Z, LLF1-34L, SLF2-10Z, CDF4-10Z.,SLH5-10Z, LSA1-45ZR, LSA1-70ZR, ORION2-45ZR
PCK5L	Lemo Cable set for CASTING Standard Probe Kit, Comprises PC-LL, TPC-LZ, PC-LZ X 2 FOR LEMO
PCK5B	BNC Cable set for CASTING Standard Probe Kit, Comprises PC-BL, TPC-BZ, PC-BZ X 2 FOR BNC

Ultrasonic Cables, Test Blocks, Adaptors and Related Accessories

Probe Cables

152022	PC-BS Single Probe Cable, BNC-Subvis, , 2m (6ft 6 inches) long.
152053	PC-BB Single Probe Cable, BNC-BNC, 2m (6ft 6 inches) long.
152086	PC-BZ Single Probe Cable, BNC-Lemo 00, 2m (6ft 6 inches) long.
152055	PC-BL Single Probe Cable, BNC-Lemo 1, 2m (6ft 6 inches) long.
152052	PC-BD Single Probe Cable, BNC- microdot, 2m (6ft 6 inches) long.
152056	PC-LS Single Probe Cable, Lemo 1 - Subvis, 2m (6ft 6 inches) long.
152076	PC-LZ Single Probe Cable, Lemo 1 – Lemo 00, 2m (6ft 6 inches) long.
152074	PC-LL Single Probe Cable, Lemo 1 – Lemo 1, 2m (6ft 6 inches) long.
152057	PC-LD Single Probe Cable, Lemo 1 – microdot, 2m (6ft 6 inches) long.
152122	PC-ZZ Single Probe Cable, Lemo 00 – Lemo 00, 2m (6ft 6 inches) long.
152123	PC-ZS Single Probe Cable, Lemo 00 – Lemo 00, 2m (6ft 6 inches) long.
152102	PC-ZD Single Probe Cable, Lemo 00 – microdot, 2m (6ft 6 inches) long.
152058	PC-BU Single Probe Cable, BNC-UHF, 2m (6ft 6 inches) long, Waterproof Cable
152059	PC-LU Single Probe Cable, Lemo 1-UHF, 2m (6ft 6 inches) long, Waterproof Cable
152124	PC-FZ Single Probe Cable, Fischer (Alphagage) – Lemo 00, 2m (6ft 6 inches) long.
152127	PC-FB Single Probe Cable, Fischer (Alphagage) – BNC, 2m (6ft 6 inches) long.
152125	PC-FS Single Probe Cable, Fischer (Alphagage) – Subvis, 2m (6ft 6 inches) long.
152126	PC-FL Single Probe Cable, Fischer (Alphagage) – Lemo 1, 2m (6ft 6 inches) long.
152128	PC-FD Single Probe Cable, Fischer (Alphagage) – microdot, 2m (6ft 6 inches) long.
152023	PC-BS Twin Probe Cable, BNC-Subvis, , 2m (6ft 6 inches) long.
152087	TPC-BZ Twin Probe Cable, BNC-Lemo 00, 2m (6ft 6 inches) long.
152060	TPC-BD Twin Probe Cable, BNC- microdot, 2m (6ft 6 inches) long.
152061	TPC-LS Twin Probe Cable, Lemo 1 - Subvis, 2m (6ft 6 inches) long.
152088	TPC-LZ Twin Probe Cable, Lemo 1 – Lemo 00, 2m (6ft 6 inches) long.
152062	TPC-LD Twin Probe Cable, Lemo 1 – microdot, 2m (6ft 6 inches) long.
152130	TPC-FS Twin Probe Cable, Fischer (Alphagage) – Subvis, 2m (6ft 6 inches) long.
152129	TPC-FZ Twin Probe Cable, Fischer (Alphagage) – Lemo 00, 2m (6ft 6 inches) long.
152131	TPC-FD Twin Probe Cable, Fischer (Alphagage) – microdot, 2m (6ft 6 inches) long.
152108	TPC-ZS Twin Probe Cable, Lemo 00 – Lemo 00, 2m (6ft 6 inches) long.
152115	TPC-ZD Twin Probe Cable, Lemo 00 – microdot, 2m (6ft 6 inches) long.

Calibration Blocks

Certificate of Conformity extra

149097	Sonatest Thickness Block Metric CBM
149098	Sonatest Thickness Block Inches CBI
149099	VW type Step Wedge to 8mm in 1mm steps, plus 20mm Notch
149090	Sonatest Velocity Block CBV INCH
149091	Sonatest Velocity Block CBV METRIC
149301	Inch step wedge 0.1", 0.2", 0.3", 0.4", 0.5"
149248	Pipe Wedge PW 2mm steps from 2mm -10mm
149312	EMAT Test Block (Plated pipe wedge) 2-10mm

149095	V1/K1 Block to EN12223 (IIW Block) Carbon Steel (BS2704 A2) 1.5mm target hole
149233	V1/K1 Block to EN12223, Aluminium
149115	V1/K1 Block to EN12223, Stainless Steel
149332	V1/K1 Block to EN12223, Titanium
195039	Wooden Case for V1 Block
149205	No. 2 Block per EN27963, 12.5mm thick Carbon Steel with 5mm hole. (Similar to V2 / A4)
149273	No. 2 Block per EN27963, 20mm thick Carbon Steel with 5mm hole.
149205	No. 2 Block per EN27963, 12.5mm thick Carbon Steel with 5mm hole.
195080	Protective case for V2 Block
149092	Beam Calibration Block (BS2704 A5, IOW Block) Steel 305 x 75 x 50mm
195048	Wooden Case for Beam Calibration Block
149195	Resolution Block (BS2704 A6) , Carbon Steel 150 x 50 x 25 mm
149229	Shear wave Resolution Block (BS2704 A7) , Carbon Steel Stepped Half Round 75mm radius x 75mm thick
149093	CBU Universal Calibration Block (50mm Radius etc) 150 x 50 x 25mm
149094	Leather Case for CBU
149264	ASME metric test block 19mm as per Article 5 Fig. T-546.1
149265	ASME metric test block 38mm as per Article 5 Fig. T-546.1
149279	DAC calibration block 6-50mm as BS3923 Pt 1
149295	Rail test block CB87
149094	Leather case for above
149302	Rail test block CB91M

Rail Inspection Accessories

BR40/058698	Bi-directional rail testing trolley. 70-0-70
BR0082/998163	Spare Probe Pack Bi-directional
BR0082/998162	Bleeptone for RS125
BR0082/998161	Instrument holding straps

TWTR-1	THERMIT WELD TESTING RIG Inclusive of: Tandem frame, 45° single probes 2 off 70 single miniature probe, Probe lead type 2 off Probe lead single 1 metre

Sonatest Platemaster system

The Sonatest Platemaster is a multi-channel manual inspection system for defect detection in large steel plates. It consists of a 5-channel multiplexor, scanning head and water couplant feed system. It is used in conjunction with a Sonatest Masterscan 380 Flaw Detector, and can detect flaws, discontinuities, internal stratification and inclusions with a size equivalent to a 5mm flat-bottomed hole.

PLATESCAN-3000	Trolley based metal plate analysis system with flaw detector, multiplexer, 4 near field transducers, 4 far field transducers. 2 transducer mounting plates water couplant reservoir and all necessary cables. Meets Chinese National Standard P.R.C. GB/T 2970 at 10-400mm coverage

Platemaster Spares

PM5-15	Twin probe 10-130mm operation
PM2-2SL	Single compression probe 20-400mm operation
4 CHANNEL MULTIPLEXOR MUX1	Battery operated Multiplexor suitable for use with Sonatest Flaw Detectors, Provides 5 channels (four scanning, one manual) which can be independently adjusted for delay and amplitude

Miscellaneous Ultrasonic Accessories

Preamplifiers (Phoenix)

These preamplifiers are battery powered and feature wide band operation. Cables are not included.

PX-AMP-40TL	Preamplifier for Dual element / TOFD applications 40 dB gain
PX-AMP-40PL	Preamplifier for Pulse echo applications (Pulser fire-through) 40 dB gain
PX-AMP-20PL	Preamplifier for Pulse echo applications (Pulser fire-through) 20 dB gain

Long Cables for Site Work

PC-BB-15m – 20m Cable (low loss) with BNC connectors both ends

PC-BB-20m – 20m Cable (low loss) with BNC connectors both ends

PC-BB-25m – 20m Cable (low loss) with BNC connectors both ends

Adapters

136166	BNC (F) to UHF (M) - BNC Cable onto probe with UHF connector
136168	BNC (M) to BNC (F)
136169	LEMO 1 (M) to BNC (F) converts Lemo 1 to BNC
152018	BNC (M) to LEMO 1 (F) converts BNC to Lemo 1
	BNC (F) to BNC (F) joins two BNC fitting cables

Multiplexors

4 CHANNEL MULTIPLEXOR MUX1	Battery operated Multiplexor suitable for use with Sonatest Flaw Detectors, Provides 5 channels (four scanning, one manual) which can be independently adjusted for delay and amplitude
8 CHANNEL MULTIPLEXOR MUX2	Battery operated Multiplexor suitable for use with Sonatest Flaw Detectors, Provides 9 channels (eight scanning, one manual) which can be independently adjusted for delay and amplitude

Ultrasonic Transducers – Phased Array

Standard Phased Array Probes

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DAAH Phased Array Probes

T1-PE-2.25M20E1.2P	Type 1 DAAH, linear pulse-echo array, 2.25 MHz, 20 elements, 1.2mm pitch, external wedge mounting
T1-PE-2.25M14E1.2P-35W0D	Type 1 DAAH, linear pulse-echo array, 2.25 MHz, 14 elements, 1.2mm pitch, integral wedge 35 degrees (SW), no contour, Footprint (28.0x17.6 mm)
T1-PE-2.25M19E1.2P-17W0D	Type 1 DAAH, linear pulse-echo array, 2.25 MHz, 19 elements, 1.2mm pitch, integral wedge 17 degrees (LW), no contour, Footprint (30.0x17.6 mm)
T1-PE-5.0M32E0.8P	Type 1 DAAH, linear pulse-echo array, 5.0 MHz, 32 elements, 0.8mm pitch, external wedge mounting
T1-PE-5.0M22E0.8P-35W0D	Type 1 DAAH, linear pulse-echo array, 5.0 MHz, 22 elements, 0.8mm pitch, integral wedge 35 degrees (SW), no contour, Footprint (28.0x17.6 mm)
T1-PE-5.0M26E0.8P-17W0D	Type 1 DAAH, linear pulse-echo array, 5.0 MHz, 26 elements, 0.8mm pitch, integral wedge 17 degrees (LW), no contour, Footprint (30.0x17.6 mm)
T1-PE-7.5M44E0.6P	Type 1 DAAH, linear pulse-echo array, 7.5 MHz, 44 elements, 0.6mm pitch, external wedge mounting
T1-PE-7.5M30E0.6P-35W0D	Type 1 DAAH, linear pulse-echo array, 7.5 MHz, 30 elements, 0.6mm pitch, integral wedge 35 degrees (SW), no contour, Footprint (28.0x17.6 mm)
T1-PE-7.5M40E0.6P-17W0D	Type 1 DAAH, linear pulse-echo array, 7.5 MHz, 40 elements, 0.6mm pitch, integral wedge 17 degrees (LW), no contour, Footprint (30.0x17.6 mm)
Option - DAAH with integral wedge	Type 1, axial outside diameter contour on integral wedge, Diameters: down to 4”
T5-PE-2.25M40E1.2P	Type 5 DAAH, Linear pulse-echo array, 2.25MHz, 40 elements, 1.2mm pitch, external wedge mounting
T5-PE-5M64E0.8P	Type 5 DAAH, Linear pulse-echo array, 5MHz, 64 elements, 0.8mm pitch, external wedge mounting
T5-PE-7.5M88E0.6P	Type 5 DAAH, Linear pulse-echo array, 7.5MHz, 88 elements, 0.6mm pitch, external wedge mounting

Please note that, at the time of writing, the greyed-out items listed above are not yet available.

DAAH External Wedges

T1-35W0D- REXO	Type 1 external mounted wedge, 35 degrees (SW), Rexolite material, no contour
T1-17W0D- REXO	Type 1 external mounted wedge, 17 degrees (LW), Rexolite material, no contour
T1-25.4TOD-REXO	Type 1 external mounted wedge, 0 degrees (flat), Rexolite material, no contour, 25.4mm thickness
T1-12.7TOD-REXO	Type 1 external mounted wedge, 0 degrees (flat), Rexolite material, no contour, 12.7mm thickness
Option – DAAH wedge	Type 1, axial outside diameter contour on detachable wedge, Diameters 3" and up
T5-35 W0D-REXO	Type 5 Wedge - external mount, 35 degree Rexolite material no contour. Range 35-75 SW
T5-25.4T0D-REXO	Type 5 Wedge - external mount, 0 degree (flat) Rexolite material no contour 25.4mm thickness
T5-12.7T0D-REXO	Type 5 Wedge - external mount, 0 degree (flat) Rexolite material no contour 12.7mm thickness delay line.

DAAH Adaptors

ASM-9038-HY200	Type 1 DAAH Adaptor, single socket, Hypertronics connector, 200cm
ASM-9039-HY200	Type 1 DAAH Adaptor, dual socket, Hypertronics connector, 200cm
ASM-9038-IX200	Type 1 DAAH adaptor, single socket, I-PEX connector, 200cm
ASM-9039-IX200	Type 1 DAAH adaptor, dual socket, I-PEX connector, 200cm
Option for Adaptor	Type 1 adaptor, extra meter of cable length (per cable)
ASM-9048-HY200	Type 5 DAAH Adaptor, single socket, Hypertronics connector, 200cm
ASM-9048-IX200	Type 5 DAAH Adaptor, single socket, I-PEX connector, 200cm

DAAH Accessories

ASM-0203-HD200	Quick Trace Encoder, with HD-15 connector (X-32 and OmniScan), 200cm
PEV-0002-Storm	Transportation suitcase for DAAH kit, black, IP56, holds 2 adaptors plus 8 heads plus documents (included with all new DAAH orders of at least 1 adapter + 2 Probe heads)

All DAAH transducers come with:

- Reference Configuration Files
- User's probe booklet containing specifications, performance and instructions

NDT Consumables

Ultrasonic Couplants

Sonatest General Purpose Couplant

SONAGEL W1	Fluorescent Yellow Water based couplant, 1 litre Tub
SONAGEL W5	Fluorescent Yellow Water based couplant, 5 litre Tub
SONAGEL W25	Fluorescent Yellow Water based couplant, 5 litre Tub
SONAGEL W250	Fluorescent Yellow Water based couplant, Box of 8 x 250 ml Bottle
T-09	Fluorescent Yellow Water based couplant, Single 125 ml Bottle
SONAGEL W1/T	Fluorescent Yellow Water based couplant,, 1 litre Bottle
SONAGEL WT1	Clear Thixotropic Water based couplant, 1 litre Tub
SONAGEL WT5	Clear Thixotropic Water based couplant, 5 litre Tub
SONAGEL WT25	Clear Thixotropic Water based couplant, 5 litre Tub
SONAGEL WT250	Clear Thixotropic Water based couplant, Box of 8 x 250 ml Bottle
T-10	Clear Thixotropic Water based couplant, Single 125 ml Bottle
SONAGEL D1	Yellow, Powder Form water based couplant, Packet Mixes to 20 litres
SONAGEL LTHT	High Temperature Couplant Bulk, (0-250C) ., 1 litre Tub

Sonotech Specialty Couplants

SOUNDSAFE 20	Non-Toxic Environmentally Benign water based couplant. Grade 20 , 1 Gallon
SOUNDSAFE	Non-Toxic Environmentally Benign water based couplant. 5 Gallon
ULTRAGEL II	High Impedance, Low corrosion water based couplant, 1 Gallon
SONOTRACE	Glycerine-Free couplant, 12 x 12oz Bottles
SONOTRACE 30	Sonotrace Glycerine-Free couplant Couplant Grade 30, 1 gallon
SONOTEMP-50	High viscosity, High Temperature Ultrasonic Couplant 2oz Tube
SONOTEMP-100	High viscosity, High Temperature Ultrasonic Couplant 4 oz.Tube
SONO 600G-50	High Temp, Non-Toxic Biodegradable Couplant, 2oz Tube
SONO 600G-100	High Temp, Non-Toxic Biodegradable Couplant, 4 oz.Tube
SONO 600	High Temp, Non-Toxic Biodegradable Couplant, 1 Gallon Container
SONO 950-50	High Temp (600-950F(315-510C)) Couplant , 2oz Tube
SONO 950-100	High Temp (600-950F(315-510C)) Couplant , 4 oz.Tube
SONO 1100-50	High Temp (700-1100F(370-590C)) Couplant , 2oz Tube
SONO 1100-100	High Temp (700-1100F(370-590C)) Couplant , 4 oz.Tube
PYROG 60-50	Pyrogel Grade 60, Wide Temp Range (-45 to 315C) Couplant, 2oz Tube
PYROG 60-100	Pyrogel Grade 60, Wide Temp Range (-45 to 315C) Couplant, 4 oz.Tube

PYROG 100-50	Pyrogel Grade 100, Wide Temp Range (-45 to 315C) Couplant, 2oz Tube
PYROG 100-100	Pyrogel Grade 100, Wide Temp Range (-45 to 315C) Couplant, 4 oz.Tube

Dye Penetrant Inspection Chemicals

SONASOL S400+	Cleaner/Remover, 400ml aerosol (Packed in Box of10)
SONAS S-400-5	Cleaner/Remover, 5 litre container
SONAPEN VP600+	Visible Red Dye Penetrant, water washable 400ml aerosol (Packed in Box of10)
SONAP VP-600-5	Visible Red Dye Penetrant , water washable 5 litre container
SONAPEN VP650+	Visible Red Dye Penetrant, 400ml aerosol (Packed in Box of10)
SONADEV DP800+	Liquid White Developer, 400ml aerosol (Packed in Box of10)
SONADEV DP800-5	Liquid White Developer, 5 litre container
SONAPEN 700+	Fluorescent Penetrant, 400ml aerosol (Packed in Box of10)
SONAPEN 700+5	Fluorescent Penetrant 5ltr container

Magnetic Particle Inspection Chemicals

SONAMAG B100+	Black Magnetic Ink, 400ml aerosol (Packed in Box of10)
SONAM B-100-5	Black Magnetic Ink, 5 litre container
SONAMAG P510+	White Contrast Paint, 400ml aerosol (Packed in Box of10)
SONAM P510-5	White Contrast Paint, 5 litre container
SONASOL S400+	Cleaner/Remover, 400ml aerosol (Packed in Box of10)
SONAS S-400-5	Cleaner/Remover, 5 litre container
SONAMAG U300+	Fluorescent Magnetic Liquid, 400ml aerosol (Packed in Box of10)

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